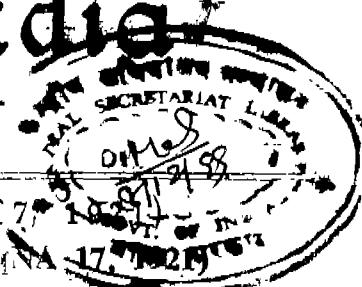




भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 41]

नई दिल्ली, शनिवार, अक्टूबर 9, 1999 (आश्विन १७, १९९९)

No. 41]

NEW DELHI, SATURDAY, OCTOBER 9, 1999 (ASV/NA 17/10/99)

इस भाग से बिल्ल पुछ संलग्न दी जासी है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 (PART III—SECTION 2)

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 9th October 1999

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"NIZAM PALACE" and M.S.O.
Building, 5th, 6th & 7th
Floors, 234/4, Acharya Jagadish
bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTOFI"
Phone No. 247 4401
Fax No. 033 247 3851.

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पेटेंट कार्यालय

एकस्त तथा अभिकल्प

कलकत्ता, दिनांक 9 अक्टूबर 1999

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय के प्रधान कार्यालय कलकत्ता में अवश्यक है¹, तथा मुम्बई, विल्ली एवं बैनहॉर्स में इसके बाह्य कार्यालय है², जिनके प्रावीकार क्षेत्राधिकार जीन के आधार पर निम्न रूप में प्राप्ति है³ :—

पेटेंट कार्यालय शास्त्रा, टोडी इस्टर्न,
तीसरा तल, लोडर परले (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं श्री
शासित क्षेत्र, बमत हथा दीव एवं
दावर और नगर हवेली।

सार-पता—“पेटेंटिफिस”:

फोन 4825002 फैक्स : 0224950622

पेटेंट कार्यालय शास्त्रा,
एक सं. 401 से 405, तीसरा तल
मगरलालिका बाजार भवन,
मरस्वनी भार्ग, करोल बाग,
नड़ विल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
हाँसी एवं संघ शासित क्षेत्र खंडीगढ़।

सार पता—“पेटेंटिफिस”

फोन : 5782532 फैक्स : 011-5766204

CORRIGENDUM

In the Gazette of India, Part-III, Sec.-2 dated 13th February, 1999 In Page—174, Col.—1 under Heading Corrigendum Read (Divisional to Application No. 347/Cal/86 Ante-dated to 18th March, 1987) instead of (Divisional to application No. 347/Cal/86 Anti-dated to 18th March, 1987).

In the Gazette of India, Part-III, Sec.-2 dated 17th July, 1999 :—

(a) In Page—620, Col.—1 in respect of Patent No. 182781 after the line “Application No. 254/Bom/95 dated 5th June, 1995” insert “Divided out of No. 569/Bom/94 Ante-dated 17th April, 1995”.

(b) In Page—620, Col.—2 in respect of Patent No. 182782 after the line “Application No. 255/Bom/95 dated 5th June, 1995” insert “Divided out of No. 569/Bom/94 Ante dated 17th April, 1995”.

In the Gazette of India, Part-III, Sec.-2 dated 14th August, 1999 :—

पेटेंट कार्यालय शास्त्रा,

विंग सी (सी-4, ए)

रासरा तल, राजाजी भवन, बमत नगर,

मुम्बई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडू,

तथा पांडिचेरी राज्य क्षेत्र एवं

श्री शासित क्षेत्र, लक्षद्वीप, मिनिकांग

तथा एमिनिदिवि द्वीप।

सार पता—“पेटेंटिफिस”

फोन : 4901495 फैक्स : 044-4901492

पेटेंट कार्यालय (अधिक कार्यालय)

निजाम पैलेस, विक्रीय बहुतलीय कार्यालय

भवन, 5, 6 तथा 7वां तल,

234/4, आवार्य जगदीश बोस मार्ग,

कलकत्ता-700 020.

इनक का क्षेत्र श्रीनगर।

सार पता—“पेटेंट्स”

फोन : 2474401 फैक्स : 033-2473851

पेटेंट कार्यालय के कलकत्ता स्थित प्रधान कार्यालय पेटेंट सहयोग संधि के अधीन अन्तरराष्ट्रीय आवेदनों के लिए रिसीविंग कार्यालय, इलेक्ट्रोड कार्यालय व डीसमेट्रोड कार्यालय है।

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी जाकेन, सूचनाएं, विवरण या उन्न दस्तावेज या कोइ फाइल पेटेंट कार्यालय द्वारा केवल समुचित कार्यालय में ही अप्प किये जायेंगे।

शाल्क : शाल्कों की अदायगी या तो नकट की जाएगी अथवा जहाँ उपयुक्त कार्यालय अवश्यक है उस स्थान के अनुसारित शाल्क से नियन्त्रक को भूगोलीय वैध क्षेत्र अथवा जू़फ़ अथवा जू़फ़ की जा सकती है।

(a) In Page—722, Col.—1 in respect of Patent No. 182942 the matter appears as “Divisional to application No. 254/Bom/95 & 255/Bom/95 dated 5th June, 1995” shall be deleted.

(b) In Page—733, Col.—1 in respect of Patent No. 449/Bom/96 (182967) filed on September 2, 1996, under Heading Inventors, for

(1) KRISHNA KUMAR,

(2) MAHESHWARI, TARUR.

(3) VENKATASUBRAMANIAN,

(4) RADHAKRISHNAN & SATISH EKNATH BHOGE.

read Inventors as“

(1) KRISHNA KUMAR MAHESHWARI.

(2) TARUR VENKATASUBRAMANIAN RADHAKRISHNAN AND

(3) SATISH EKNATH BHOGE”.

In the Gazette of India, Part-III, Sec.-2 dated 3rd July, 1999. In Page—579, Col.—2 read Patent application No. 58/Bom/95 (182740) filed on 9th February, 1995 instead of 52/Bom/95.

APPLICATIONS FOR PATENTS FILED AT
THE PATENT OFFICE BRANCH,
WING C (C-A'), 3rd FLOOR,
RAJAJI BHAVAN, BESANT NAGAR,
CHENNAI-600 090.

9th November, 1998

- 2519/Mas/98. V. Thiagarajan. Dosing pump.
- 2520/Mas/98. G. Ponraj. Zero theory use of science (All section).
- 2521/Mas/98. Mysore Sandal Products. A panel of eminent astrologers to forecast of accurate prediction subject to overall control of Mysore Sandal Products (Research Division) headed by Shri G. Viswanath Shet and to perform poojas and offerings to ward off any bad happening (Dosha).
- 2522/Mas/98. Titanium Equipment and Anode Manufacturing Company Limited. A tamper-proof cap for a container and a container therefor.
- 2523/Mas/98. Takshi Sato. A capacious piston mechanism having a rotary piston structure. (November 17, 1997; Japan).
- 2524/Mas/98. Kimberly-Clark Worldwide, Inc. Sterilization wrap and procedures. (November 13, 1997; U.S.A.).
- 2525/Mas/98. Soremartec S.A. A package for products such as food products.
- 2526/Mas/98. BASF Aktiengesellschaft. Preparation of 1,6-hexanediol and 6-hydroxycaproic acid and esters thereof. (November 14, 1997; Germany).
- 2527/Mas/98. BASF Aktiengesellschaft. Novel heterocyclically substituted α -hydroxycarboxylic acid derivative their preparation and use as endothelin receptor antagonists. (November 14, 1997; Germany).
- 2528/Mas/98. B. Braun Melsungen AG. Device for administering liquids to a patient. (November 14, 1997; Germany).
- 2529/Mas/98. Qualcomm Incorporated. Method and apparatus for battery gauging in a portable communication device. (November 12, 1997; U.S.A.).
- 10th November 1998
- 2530//Mas/98. S. Francis, Immanuel Enterprises. Multi purpose cleaning and mopping system.
- 2531/Mas/98. Eta SA Fabriques d'Ebauches. Device for limiting the acceleration of an oscillating weight driving a mechanism of small volume. (November 20, 1997; Switzerland).
- 2532/Mas/98. Corob S.p.A. Dispensing machine for the metered delivery and continuous homogenization of finished paint products. (December 30, 1997; Italy).
- 2533/Mas/98. GL&V/Cellico AB. Hydrocyclone with turbulence creating means. (November 25, 1997; Sweden).
- 2534/Mas/98. Mannesmann Aktiengesellschaft. An apparatus for winding-up a rolled strip downstream of an endless hot-rolling plant. (November 14, 1997; Germany).
- 2535/Mas/98. Ta-Chin WANG. Air conditioner with high efficiency differential heat-exchanging tubes.
- 2536/Mas/98. Hoechst Marion Russel Deutschland GmbH. Substituted imidazolidine derivatives, their preparation, their use and pharmaceutical preparations comprising them. (November 19, 1997; Germany).
- 2537/Mas/98. SRS Labs, Inc. Low frequency audio enhancement system. (September 4, 1998; U.S.A.).

2538/Mas/98. Wesley-Jessen Corporation. Automatic lens inspection system. (November 14, 1997; U.S.A.).

2539/Mas/98. Fresh Roast Systems, Inc. Roasting system (November 11, 1997; U.S.A.).

2540/Mas/98. Lakshmi Automatic Loom Works Ltd. An improved textile weaving machine.

11th November 1998

2541/Mas/98. Vattarangath Venugopalan Nair. Electric automatic unitherm storage water (fluid) heater.

2542/Mas/98. Vatturi Syamprasad. Improved safety devise for conveyor belts.

2543/Mas/98. (1) Harvey Gene Kocian;

(2) David Merrill Rebhan;

(3) John Roberts Parrish;

(4) Thomas Walter Pilgram.

Control of gas phase polymerization rections. (February 13, 1998; U.S.A.).

2544/Mas/98. Reckitt & Colman Inc. Improvements in or relating to organic compositions. (November 28, 1997; United Kingdom).

2545/Mas/98. AT & T Corp. Method and apparatus for reduction of call set up time using anticipation technique for multimedia applications in widely distributed networks. (November 18, 1997; U.S.A.).

2546/Mas/98. Kimberly-Clark Worldwide Inc. Liquid absorbent base web. (November 14, 1997; U.S.A.).

2547/Mas/98. BASF Aktiengesellschaft. Benzylidenepyrazolones, their preparation and use. (November 21, 1997; Germany).

2548/Mas/98. A/S Gea Farmaceutisk Fabrik. Process for the preparation of acetal derivatives of 1, 4 dihydropyridines, novel acetal derivatives and the use of the acetal derivatives for the preparation of other 1, 4-dihydropyridines. November 14, 1997; Denmark).

2549/Mas/98. A/S Gea Farmaceutisk Fabrik. Process for the preparation of 1, 4-dihydropyridines and novel compounds of use for such purpose. (November 14, 1997; Denmark).

2550/Mas/98. Nokia Telecommunications Oy. A frame discard mechanism for packet switches. (November 12, 1997; Denmark).

2551/Mas/98. Archer Daniels midland Company. Desalting aqueous streams via filled cell electrodialysis. (November 12, 1997; U.S.A.).

2552/Mas/98. Mitsubishi Heavy Industries Ltd. Compressor. (November 20, 1997; Japan).

2553/Mas/98. Kimberly-Clark Worldwide, Inc. Multilayer cover systems and method for producing same. (November 14, 1997; U.S.A.).

2554/Mas/98. (1) Chandra P. Sharma;

(2) Thomas Chandy;

(3) P. R. Hari;

(4) Willi Paul. A process for the preparation of immunoabsorbent matrix.

12th November 1998

2555/Mas/98. E. D. Sasidharan Nair. Manual mixture.

2556/Mas/98. Hoechst Schering Agro GmbH. 1-Methyl-5-alkylsulfonyl-, 1-methyl-5-alkylsulfinyl-and 1-methyl-5-alkylthio-substituted pyrazolylpyrazoles, process for their preparation and their use as herbicides (November 24, 1997; Germany).

2557/Mas/98. Sun Microsystems, Inc. Service framework for a distributed object network system. (November 13, 1997; U.S.A.).

2558/Mas/98. Babcock Kraftwerkstechnik GMBH. Sampling probe for oxygen measurements at steam-generating installations fired by powdered coal. (December 19, 1997; Germany).

2559/Mas/98. (1) Akzo Nobel N. V. &
(2) Sanofi. Carbohydrate derivatives.

2560/Mas/98. BG plc. Pipeline cleaning. (November 18, 1997; Great Britain).

2561/Mas/98. Canon Kabushiki Kaisha. Image process apparatus and image process method. (November 14, 1997; Japan).

2562/Mas/98. L'LIR Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procedes Georges Claude. Liquid distributor for non-vertical distillation column, and distillation column thus equipped. (November 17, 1997; France).

2563/Mas/98. L'LIR Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procedes Georges Claude. Cryogenic distillation unit. (November 17, 1997; France).

2564/Mas/98. L'AIR Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procedes Georges Claude. Liquid distributor for oscillating distillation column, and corresponding distillation column. (November 17, 1997; France).

2565/Mas/98. L'AIR Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procedes Georges Claude. Corrugated strip for cross-corrugated packing and its application to on-board distillation columns. (November 17, 1997; France).

2566/Mas/98. L'AIR Liquide, Societe Anonyme Pour L'Etude ET L'Exploitation Des Procedes Georges Claude. Liquid distributor for distillation column and corresponding distillation column. (November 17, 1997; France).

2567/Mas/98. Dr. Reddy's Research Foundation. An improved process for the preparation of 10H-phenoxazine.

13th November 1998

2568/Mas/98. AECI Limited. Gasification of coal. (November 14, 1997; South Africa).

2569/Mas/98. Novartis AG. Pesticidal composition. (November 14, 1997; Switzerland).

2570/Mas/98. Novartis AG. Pesticidal composition. (November 14, 1997; Swiss).

2571/Mas/98. G. D. Searle & Co. Aromatic sulfone hydroxamic acid metalloprotease inhibitor. (November 14, 1997; U.S.A.).

2572/Mas/98. The Chase Manhattan Bank. Method and apparatus to process combined credit and debit card transactions. (December 10, 1997; U.S.A.).

2573/Mas/98. Kimberly-Clark Worldwide Inc. Coreless roll product end adapter. (November 20, 1997; U.S.A.).

2574/Mas/98. Gestind M. B. Manifattura Di Brusolo S.p.A. Headrest for motor-vehicle seats.

2575/Mas/98. Qualcomm Incorporated. Method and apparatus for time efficient retransmission using symbol accumulation. (November 13, 1997; U.S.A.).

2576/Mas/98. Qualcomm Incorporated. Receiver with signal-audio analog-to-digital converter. (December 9, 1997; U.S.A.).

2577/Mas/98. Robert Bosch GMBH. Solenoid valve for a fluid regulating heating and/or cooling system.

ALTERATION OF DATES UNDER SECTION 16.

183228

(400/Cal/97)—Antedated to 23rd March, 1997.

183230

(1899/Cal/97)—Antedated to 04th October, 1993.

183237

(553/Cal/97)—Antedated to 29th March, 1993.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-

स्वीकृत सम्पूर्ण विविधेय

एतद्वारा यह सूचना वी जाती है कि संबद्ध विविधेय में से किसी पर बोर्डर अनुदान के विवेद अनुसन्धान, इसके नियम की विधि से कार (4) महीने का बोर्डर एवं सीधी अपरिवर्त्तिक उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पटेट (संशोधन) नियम, 1999 के तहत विविध प्रलिपि 4 पर अन्तर अवधिकारी, एक भौतिक से अधिक न हो, के नीति विधि भी विवरण एकस्वरूप उपयुक्त कार्यालय में देखे विवेद को सूचना विविध प्रलिपि 7 पर दे सकते हैं। विवरण गवांधी लिखित विवरण में साथ ही साथ, यदि कोई हो, उभय सूचना के तात्पर्य एवं फैटेट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविधित उभय सूचना के लिये से 60 दिन के भीतर फैटेट कर दिये जाने थाहे हैं।

प्रत्येक विविधेय के सदृश में वीव विविध विवरण, भारतीय विविधेय तथा असरद्वयीय विविधेय के अनुसार है।

विविधेय तथा विविध औरेक, यदि कोई हो, को उकित प्रतियों की आपूर्ति प्रदान कार्यालय वा उसकी वीवी विविधेय के अनुसार 30/- रुपए प्रति की विविध विविधेय पर की जो सकती है।

ऐसी परिस्थिति में जब प्रदूषक की विफल प्रति उपलब्ध नहीं है, तो विद्युत तंत्र विद्युत भारत, या अन्य जगत्, की विधि प्रविष्टि की आवृत्ति पट्टे कार्गिलिया या उसके बाहर कार्गिलिया एवं बम्परिक्षत प्रदूषक से भूलक उत्तर वस्त्रावधि के 10 रुपये ज्ञात हैं। यह 30/- रुपये की अवधारणी पर की जा सकती है।

Cl. : 157 A 1
Int. Cl. : E 01 B 7/28.

183221

AN IMPROVED SWING NOSE CROSSING FOR USE IN RAILWAY TRACK

Applicant : BINA METAL WAY LTD., OF 12/1, LIND-SAY STREET, CALCUTTA-700 087 INDIA.

Inventor : PRONAB MUKHERJEE.

Application No. 958/Cal. 95 filed on 16th August, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

17 Claims

An improved swing nose crossing for use in railway track for enabling a railway wheel to travel from one track to another, comprising a Vee (5) and a pair of Brace rails (16, 16') with the narrow end of the Vee slideably moveable by means of suitable moving/operating devices to home against one Brace rail or the other at a time, said Vee comprising a pair of steel rails (7, 8) secured together at the narrow end of the said Vee, the width of the Vee at its narrowest end being not less than the head-width of a standard railway rail; the other end of one of the two rails (7) constituting the Vee being firmly fastened down to the underlying sleepers to form a "fixed heel joint" (17); the corresponding end of the other rail (8) of the Vee being relatively free to move longitudinally forward or backward to form a "loose-heel joint" (18); said Brace rails being made of steel rails; and said Brace rails being firmly fastened down to the underlying sleepers by means of a set of fastenings for the entire length of the Brace rails.

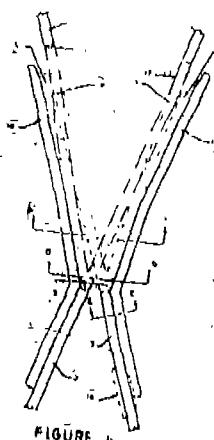


FIGURE 4

(Compl. Specn. 17 Pages;

Drgns. 10 Sheets)

Int. Cl. : 27 A
Int. Cl. : E 01 D 19/06

183222

AN IMPROVEMENT TO ROADWAY JOINTS FOR ACHIEVING RUNNING CONTINUITY BETWEEN TWO SLABS.

Applicant: FRÉHYSSINET INTERNATIONAL ET COMPAGNIE, OF 10, RUE PAUL DAUTIER, 78140 VELIZY, FRANCE.

Inventors :

SEANTIER JACKY.

SALMON PHILIPPE.

BASILE BERNARD.

Application No. 237/Cal/95 filed on 6th March, 1995.

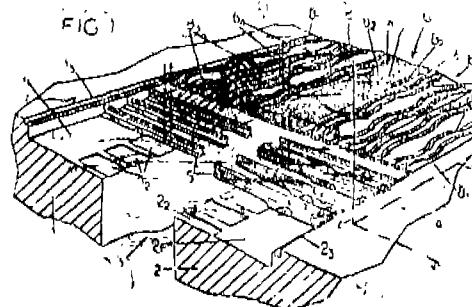
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

10 Claims

An improvement to roadway joints for achieving running continuity between two slabs (1, 2) namely a first slab (1) and a second slab (2) which are separated by a gap (3); said slabs (1, 2) supporting and forming a roadway (4), these slabs are movable one with respect to the other at least along a main axis of movement (X), movable closer together and further apart, said roadway joint comprising substantially horizontal rigid teeth (5) which point parallel to the main axis of movement (X) and which are mounted in a cantilever fashion above the gap (3) and are fixed at least to the first slab (1), the roadway joint also comprising a substantially horizontal running surface (6) which covers the teeth (5), and which is having two longitudinal edges (8₁, 8₂) fixed respectively to the two slabs, characterized in that, the running surface (6) comprises :

in one of the slabs, a rigid plate (7) which bears on either side of the gap (3) rests on one side on the teeth secured to the first slab (1), this rigid plate (7) extending longitudinally parallel to the gap (3),

and on the other slab, at least one deformable plate (8) which is juxtaposed with the rigid plate (7) which extends longitudinally parallel to the gap (3), covering the teeth (5) fixed to the first slab, first deformable plate (8) being elastically deformable at least along the main axis of the movement (X) and comprising two longitudinal edges (8₁, 8₂) with one longitudinal edge (8₁) fixed to the rigid plate (7), while the other edge (8₂) constitutes one of the longitudinal edges of the running surface (6) and is fixed to the first slab (1), the roadway joint and the second slab (2) being shaped to allow the teeth (5) to move under the rigid plate (7) beyond the said rigid plate in the direction of the second slab when the two slabs move closer together, and the roadway joint being shaped to allow the two slabs (1, 2) to move away from each other as far as a point where a substantially horizontal longitudinal empty space parallel to the gap (3) is cleared in front of the teeth (5), this empty space then being covered by the rigid plate (7) and pages (11, 11₁, 20) for limiting the deformation of each deformable plate (8).



Compl. Specn. 18 Pages;

Drgns. 2 Sheets

Cl. : 94 G

Int. Cl. : B 01 J 2/00

183223

A GRANULATION APPARATUS FOR STRAND MATERIAL.

Applicant : RIETER AUTOMATIK GMBH, OF OSTRING 19, DE-63762 GROSSOSTHEIM, GERMANY.

Inventors :

WALTER PIRRUNG.

BERTHOLD GLAAB.

LAURENZ HÖHM.

HELMUTH MEIDHOP.

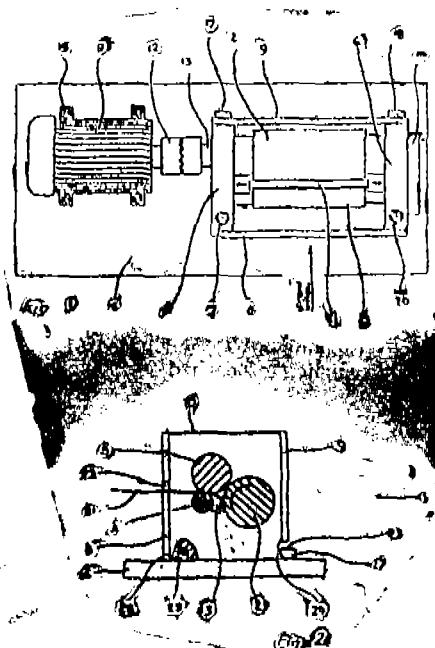
GUNTHER WOLF.

Application No. 381/Cal/95 filed on 5th April, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

3 Claims

Granulation apparatus (1) for strand material (21) having pull-in means (4, 5) for gripping said strand material (21) and transporting it to a counter knife (3), a knife roll (2) cooperating with said counter knife (3) for cutting said strand material (21) into granulate, and a housing (6, 7, 8, 9, 10) accommodating said pull-in means (4, 5), said counter knife (3) and said knife roll (2), a motor (11) driving said knife roll (2) and said pull-in means (4, 5) is arranged beside said housing (6, 7, 8, 9, 10) and is connected by means of a drive axle (13) to the rotating components (2, 4, 5) contained in said housing (6, 7, 8, 9, 10), and said motor (11) and said housing (6, 7, 8, 9, 10) are mounted on a common support (16), characterised in that the mounting assembly comprises two mounting means which, in a projection onto said support (16), are arranged in the region of the two side portions (8, 9) of said housing (6, 7, 8, 9, 10) which are beside said drive axle such that, due to the torque acting on said housing (6, 7, 8, 9, 10), the one mounting means (tension holding means 17, 18) receives a tensile force away from said support (16) and the other mounting means (pressure holding means 19, 20) receives a force of pressure against said support (16), said tension holding means (17, 18) having a hooklike formation and releasably holding said housing (6, 7, 8, 9, 10) onto said support (16), said pressure holding means (19, 20) is provided as a catch preventing movement of said housing (6, 7, 8, 9, 10) away from said tension holding means (17, 18).



Compl. Specn. 10 Pages;

Drgns. 1 Sheet

Cl. : 63 C

183224

Int. Cl. : H 01 R 39/04

NOISE SUPPRESSED COMMUTATOR AND METHOD FOR MANUFACTURING THE SAME.

Applicant : JOHNSON ELECTRIC S.A., OF 125 RUE DU PROGRES, CH-2300 LA CHAUX-DE-FONDS, SWITZERLAND.

Inventor : PATRICK SHUI CHUNG WANG.

Application No. 509/Cal/1995 filed on 8th May, 1995.

(Convention No. 9409375.4 on 11-05-94 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

13 Claims

A noise suppressed commutator comprising a base (10) a plurality of commutator segments (20) mounted on the base, and noise suppression means (30), characterised by resiliently deformable connecting means (40) having one or more conductive portions electrically connecting the noise suppression means (30) to the respective commutator segments (20).

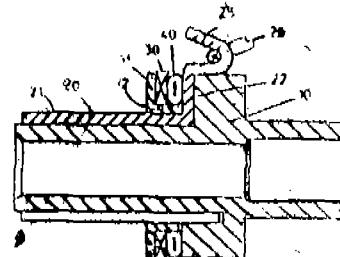


FIG. 1

Compl. Specn. 12 Pages;

Drgns. 2 Sheets

Cl. : 108 C, 33 D

183225

Int. Cl. : C 22 C, 38/42, 38/28, 38/20, 35/00, B 22 D

11/01

METHOD FOR THE CONTINUOUS CASTING OF PERITECTIC STEELS TO PRODUCE THIN SLABS.

Applicant : DANIELI & C. OFFICINE MECCANICHE SPA, OF VIA NAZIONALE, 33042 BUTTRIO (UD), ITALY.

Inventors :

UMBERTO MERONI.

DOMENICO WOGLER RUZZA.

ANDREA CARBONI.

Application No. 574/Cal/95 filed on 22nd May, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

13 Claims

A method for the continuous casting of peritectic steels to produce thin slabs, said peritectic steels having a carbon content between 0.09% and 0.16%; and optionally, less than 0.25% of copper, less than 0.020% of tin, and 0.013% to 0.035% of titanium said method comprising :

continuously casting the peritectic steel through a mold having a taper of 2% to 6% per metre atleast in its first segment while oscillating the mold;

the frequency of oscillation of said mold being between 300 and 500 oscillations per minute with a travel upwards and downwards between ± 2.5 mm and 4 mm, so that total distance of travel is 5 mm to 8 mm, and optionally adding lubrication powders having a basicity greater than 1.1 to the mold; and

subjecting the molten metal to restricted primary and secondary cooling.

Compl. Specn. 16 Pages;

Drgns. 2 Sheets

Cl. : 93

183226

Int. Cl. : F 23 I 1/00

A SLAG REMOVING APPARATUS.

Applicant : TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK-10650, UNITED STATES OF AMERICA.

Inventor : WILLIAM MARGERUM DAVIS.

Application No. 637/Cal/93 filed on 5th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

6 Claims

A slag removing apparatus comprising;

slag sump (12) receiving slag therein directly from a slag generating operation;

characterised in that said slag removing apparatus comprises :

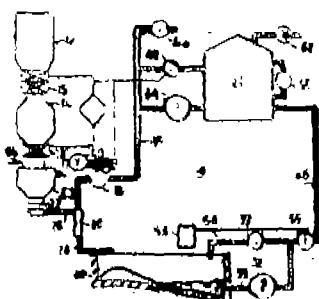
lockhopper means (14) connected to receive slag discharged from the slag sump (12), said lockhopper means (14) having both a first pressure lock (16) and a second pressure lock (18);

slag grinder means (22) connected to receive slag output from said lockhopper means (14);

a closed loop sluice water system (32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56) such as herein described;

eductor means (24) connected to receive the output of said grinder means (22), water from said sluice water system, mix said slag and said water, and to feed said watered slag to a sump pit (30); and

means (60) to monitor water level in said sump pit.



Compl. Specn. 11 Pages;

Drgns. 1 Sheet

Cl. : 150 G

183227

Int. Cl. : F 16 L 21/00

SOCKET FOR THE FUSION JOINTING OF PLASTIC PIPE PARTS AND A PROCESS THEREOF.

Applicant : AGRU ALOIS GRUBER GES. M.B.H. OF GRUNBURGERSTR. 41, A-4540 BAD HALL, AUSTRIA.

Inventor : ALBERT LUEGHAMER.

Application No. 668/Cal/93 filed on 13th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

15 Claims

Socket for the fusion jointing of plastics pipe parts (1, 2) of comparatively small diameter with ends thereof butted against each other, said socket (3) having an electric heating element (4) arranged in the region of an inner wall of the socket for heating a butt joint (15) region of said plastic pipe parts, characterized in that said heating element comprising heating wire coil (4) is wound more closely in the inner region (5), which covers the joint (15), than its two adjoining outer regions (6) and said socket is connected to an electric power source so that the said heating element provides greater heating output at an axially inner region (5) than at axially outer regions (6) of said butt joint area.

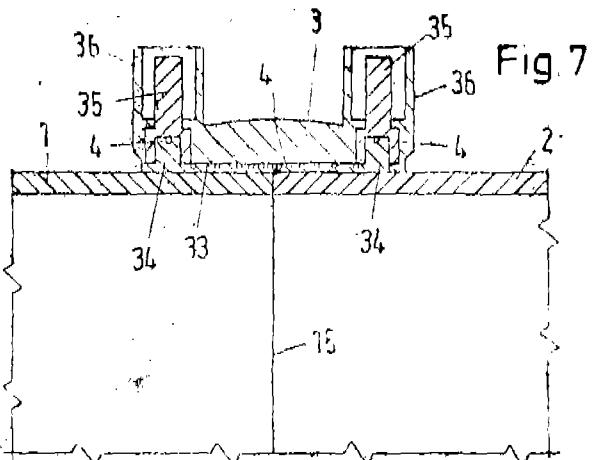
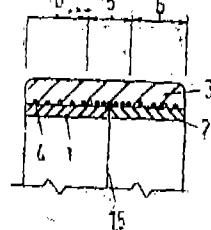


Fig. 2



Compl. Specn. 15 Pages;

Drgns. 2 Sheets

Cl. : 32 E

183228

Int. Cl. : C 08 J 09/26

A PROCESS FOR PREPARING A COMPOSITE MATERIAL.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventors :

EDWARD GEORGE HOWARD JR.
ARTHUR ZENKER MOSS.

Application No. 400/Cal/97 filed on 6th March, 1997.

(Divided out of No. 352/Cal/93 antited to 23rd June, 1993).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

6 Claims

A process for preparing a composite material such as herein described comprising polytetrafluoroethylene (PTFE) and up to about 50% by weight of at least one polymers other than PTFE said process comprising :

- contacting PTFE, in an inert atmosphere, with a fluid of the kind such as hereinbefore described which penetrates and swells but does not significantly dissolve the PTFE or eliminate viscoelastic memory therefrom, at a temperature in the range of about 250°-400°C;
- cooling and separating the penetrated, swollen PTFE from unabsorbed liquid;
- removing the absorbed fluid to form a porous product having a single DSC melting endotherm, the melting point being in the range of about 315°C to 333°C with an associated heat of fusion of at least 35J/g;

(d) infusing by immersion in a manner such as herein described at least one polymerizable monomers and appropriate initiators such as herein described into the porous product from step (c); and

(e) polymerizing in a manner such as herein described at least one monomers as herein described to form the said composite material.

Compl. Specn. 43 Pages;

Drgns. 3 Sheets

Cl. : 32 F 2 (b)

183229

Int. Cl. : C 07 D 207/28, 207/36

PROCESS FOR PRODUCING CAPTOPRIL.

Applicant : KENEKA CORPORATION, OF 2-4, NAKANOSHIMA 3-CHOME, KITA-KU, OSAKA-SHI, OSAKA-530, JAPAN.

Inventors :

KOICHI KINOSHITA.

FUMIHIKO KANO.

TAKAHIRO OKUBO.

YASUYOSHI UEDA.

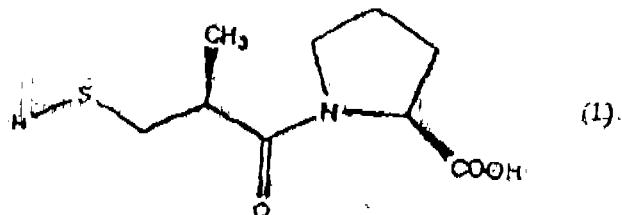
Application No. 1885/Cal/97 filed on 7th October, 1997.

(Convention No. 8-289340 on 11-10-96 in Japan).

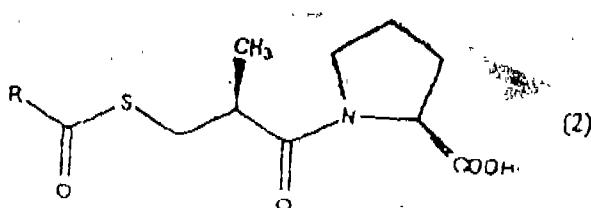
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

13 Claims

A process for producing captopril of the following formula (1)



which comprises subjecting a substrate compound of the following general formula (2)



wherein R represents alkyl or alkoxy; to hydrolysis reaction in aqueous medium to remove RCO group and isolating in the manner such as herein described, the resultant captopril:

said hydrolysis reaction in aqueous medium being conducted in the presence of a strong acid, such as herein described, at pH not over 1, at a reaction temperature not below 40°C and said aqueous solution being water essentially not containing an organic solvent.

Compl. Specn. 34 Pages;

Drgns. Nil

Cl. : 206 E

183230

Int. Cl. : H 04 N 1/41

APPARATUS FOR RECEIVING A COMPRESSED VIDEO SIGNAL.

Applicant : RCA THOMSON LICENSING CORPORATION, OF TWO INDEPENDENCE WAY, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

Inventors :

SCOTT DAVID CASAVANT.

TRISTAN SAVATHER.

Application No. 1899/Cal/97 filed on 7th October, 1997.

(Divided out of No. 583/Cal 93 antited to 4th October, 1993).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

2 Claims

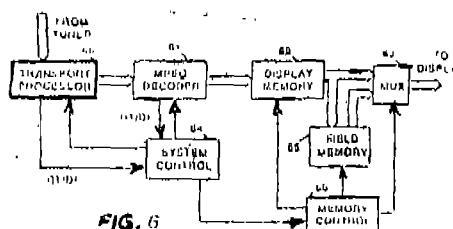
Apparatus for receiving a compressed video signal including information DT/DF indicative of the order of display of decompressed fields, said apparatus comprising :

means for receiving transport packets containing transport headers and compressed video signal;

means (60, 61) responsive to said transport packets for separating said information DT/DF from one of said transport headers and said compressed video signal;

means (61, 62) responsive to said received compressed video signal for decompressing said compressed video signal to provide output frames of video signal; and

means (63, 64, 65, 66) responsive to said information DT/DF for sequencing said decompressed fields in a predetermined order.



Compl. Specn. 13 Pages;

Drgns. 5 Sheets

Cl. : 64 B 3

183231

Int. Cl. : H 01 R 4/00

FEMALE ELECTRICAL CONTACT MEMBER.

Applicant : CONNECTEURS CINCH S.A., OF 5 AVENUE NEWTON, 78190 MONTIGNY LE BRETONNEUX FRANCE.

Inventors :

JEAN ITTAH.

OLIVIER PLESSIS.

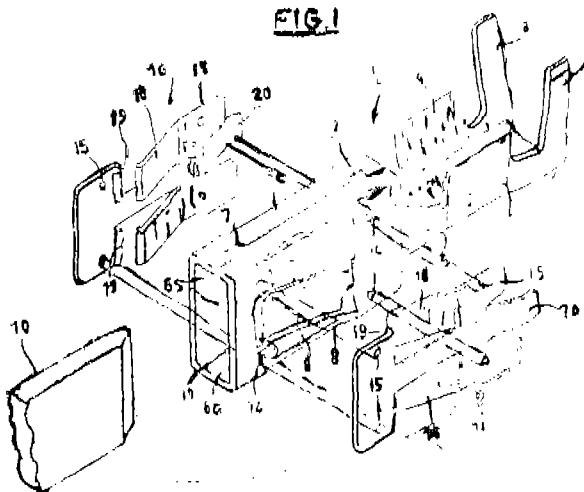
Application No. 201/Cal/95 filed on 28th February, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

6 Claims

Female electrical contact member (1) made from a metal blank, cut out and bent to shape so that it has at one end electrical conductor fixing means (3, 4) and at the other end rectangular section passage (6) having a bottom wall (6a), a top wall (6c) and two side walls (6b) from which are cut out.

elastic bars bent towards the interior of the passage to constitute a clamp adapted to grip a male tongue (10) inserted through an insertion opening of said passage (6), the free ends of said bars facing towards said insertion opening (6), characterised by a pair of plates (16) fixed against said side walls (6b); a bracing bar (18) cut out from each said plate and bearing against a respective said elastic bar (8) to operate with said elastic bar.



Compl. Specn. 9 Pages;

Drgns. 5 Sheets.

Cl. : 129 Q

183232

Int. Cl. : B 23 K 3/00, 3/01

DEVICE FOR WELDING OF THIN SHEET METALS.

Applicant : ALCATEL KABEL AG & CO., OF KABELKAMP 20, 30179 HANNOVER, GERMANY.

Inventor : HARRY STASCHEWSKI.

Application No. 316/Cal/95 filed on 21st March, 1995.

(Convention No. P 44 11 967.4 on 07-04-1994 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

Device for the welding of thin sheet metals, running under a stationary, water cooled welding head, particularly for the welding of edges of metallic tape, running in the longitudinal direction, shaped into the form of a tube, with protective gas shielded arc, with the help of one or several non-smelting electrodes arranged in the welding head, where each electrode is fixed in a burner housing, by means of an electrode clamp and the electrode clamp is held in the burner housing by means of a clamp holder, characterized in that, within a central through hole in the clamp holder, a tube shaped clamping rod is arranged, in whose slotted end, that is capable of being turned towards the tube, an electrode is inserted in a clamped manner.

Compl. Specn. 9 Pages;

Drgn. 1 Sheet.

Cl. : 102 B

183233

Int. Cl. : F 15 B 9/09.

SERVO SYSTEM.

Applicant : WAYSIA INDUSTRIAL CO. LTD., OF 9, CHUNG HSING ST. MING HSUNG IND. AREA CHIA YI, TAIWAN REPUBLIC OF CHINA.

Inventor : FU-LONG CHANG.

Application No. 322/Cal/95 filed on 23rd March, 1995.

2—277 GI/99

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A servo system comprising of
a driven body

a hydraulic driving unit for moving said driven body,

a mechanical hydraulic service valve including a spring-biased movable spool, said servo valve being capable of activating said driving unit to move said driven body when said spool is moved.

a first sheave mounted on said driven body, said first sheave having an outer peripheral surface,

a first flexible measuring tape having a first end portion secured to said first sheave, a second end portion, and an intermediate portion wound on said first sheave along outer peripheral surface of said first sheave,

a rotary driving source coupled operably to said first sheave and operable to rotate said first sheave in order to wind and unwind said first measuring tape,

a first rotary shaft which is coupled operably to said rotary driving source and said first sheave and which is driven by said rotary driving source to rotate so as to cause corresponding rotation of said first sheave, and a clutch means for permitting said first rotary shaft to rotate freely relative to said first sheave during presence of large resistance to rotation of said first sheave so as to prevent snapping of said first measuring tape, and characterized in that an adjusting means consisting of :

a hollow housing having two opposed side walls;

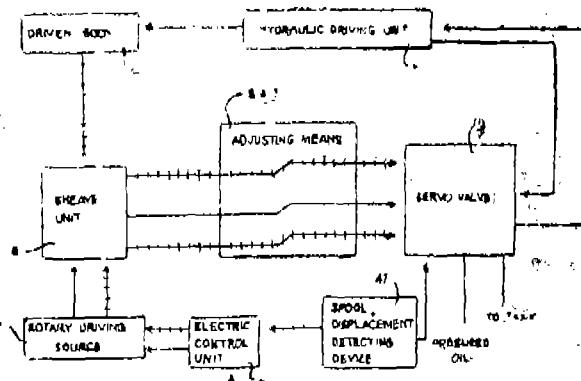
a second rotary shaft extending between said two opposed side walls and being mounted rotatably thereon;

an idler wheel disposed in said housing and mounted rotatably on at least one of said side walls, said idler wheel having said first measuring tape trained thereon;

a first pivot arm being disposed in said housing and having a first arm portion fixed to said second rotary shaft and a second arm portion to which said second end portion of said first measuring tape is fixed; and

a second pivot arm being disposed in said housing and having a first end portion fixed to said second rotary shaft and a second end portion normally in contact with said spool;

whereby, pulling of said measuring tape causes said first pivot arm to pivot so as to result in pivoting of said second pivot arm in order to move said spool.

FIG. 1

Compl. Specn. : 34 pages;

Drgns. : 6 sheets.

Cl. : 201 C

183234

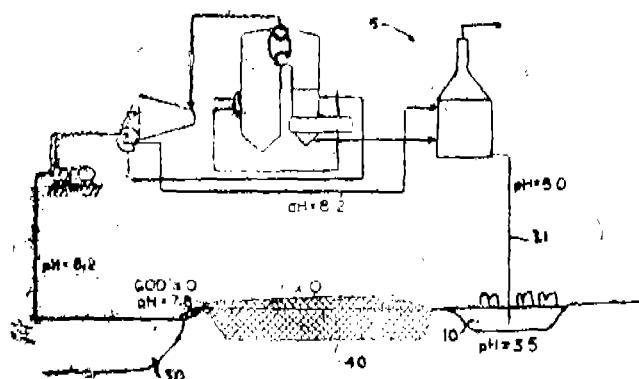
Int. Cl. : C 02 F 3/00, 1/66, 1/72
B 01 D 53/34.**A METHOD OF CONVERTING EFFLUENT SEA WATER UTILISED IN A FLUE GAS DESULFURIZATION PROCESS.****Applicant :** McDERMOTT TECHNOLOGY, INC., OF 1450 POYDRAS STREET, NEW ORLEANS LOUISIANA 70112 UNITED STATES OF AMERICA.**Inventor :** WILLIAM DOWNS.**Application No. :** 552/Cal/95 filed on 17th May, 1995.**Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.****4 Claims**

A method of converting effluent sea water, utilized in a flue gas desulfurization process, to render the same suitable for its return to natural source of sea water, without any adverse effect to the aquatic life of said natural source of sea water, said method comprising :

aerating in the manner such as herein described, the effluent sea water in an aeration pond;

channelling the effluent sea water, so aerated, from said aeration pond through a percolating channel filled up with a granular bed of limestone, the said limestone bed in the percolating channel having variable height, width and length in proportion to the amount of effluent sea water caused to be passed therethrough, and

periodically adding an amount of fresh limestone to the limestone bed through an upper surface of the said channel exposed to the atmosphere, so as to raise the pH of the effluent sea water to an acceptable compromise limit, such as herein described, depending on the nature of effluent sea water, under treatment, and thereafter channelling the aerated effluent sea water, so treated by the limestone bed, to a natural sea water source.

**Compl. Specn. : 11 pages****Drgns. : 3 sheets**

Cl. : 56 D

183235

Int. Cl. : B 01 D 43/00
F 26 B 5/04.**APPARATUS FOR VACUUM DEWATERING OF DILUTED DESCICCANT BRINE AND A METHOD FOR PRODUCING DEWATERED DESCICCANT BRINE.****Applicant :** F F SEELEY NOMINEES PTY. LTD., OF 1-11 ROTHESAY AVENUE, ST MARYS, SOUTH AUSTRALIA, AUSTRALIA.**Inventor :** ROBERT WILTON JAMES.**Application No. :** 591/Cal/95 filed on 25th May, 1995.

(Convention No. PM5926 on 30-5-94 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.**8 Claims**

Apparatus for vacuum dewatering of diluted desiccant brine, comprising a vacuum chamber, a vacuum pump in fluid flow communication with an upper end of said chamber;

a sump at a level below said vacuum chamber and an air drier;

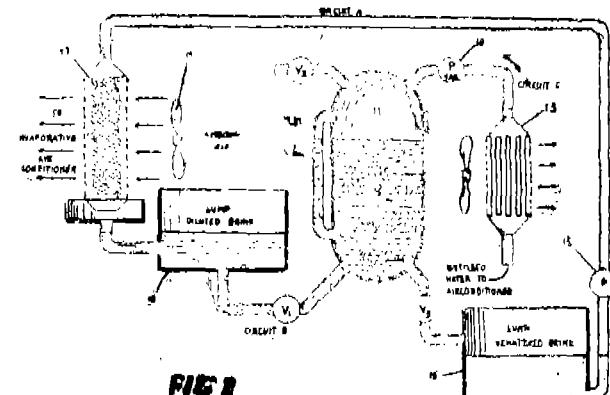
a hydraulic flow passage including a valve extending from said vacuum chamber to said sump;

a first, second and third hydraulic circuits;

said first hydraulic circuit comprising a pump openable to deliver dewatered desiccant brine through a hydraulic conduit to said air drier so as to affect drying of air when passing through said air drier, with consequential aqueous dilution of said brine;

said second hydraulic circuit comprising a second hydraulic conduit, and means to deliver said diluted brine to said vacuum chamber, wherein low vapour pressure created by actuation of said vacuum pump effects dewatering of said diluted brine by evaporation;

said third hydraulic circuit including a heat exchanger in fluid flow communication with said vacuum pump in a configuration wherein water vapour removed from said vacuum chamber by said vacuum pump is condensed as distilled water and conveyed by an hydraulic conduit to an evaporative air cooler for evaporation therein.

**(Compl. Specn. 10 Pages;****Drgns. 3 Sheets)**

Cl. : 56 A

183236

Int. Cl. : B 01 D 3/20.

A DOWNCOMER-TRAY ASSEMBLY FOR GAS LIQUID CONTACT TOWER.**Applicant :** KOCH (CYPRUS) LTD., OF P. O. BOX 8127 WICHITA, KANSAS-67208.**Inventors :**

1. ADAM T. LEE
2. MICHAEL JAN BINKLEY
3. KUANG WU
4. LARRY BURTON.

Application No. : 967/Cal/95 filed on 17th August, 1995.**Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.****12 Claims**

A downcomer-tray assembly 100 for gas liquid contact tower comprising :

a downcomer 102;

a tray 48 disposed below said downcomer;

Cl. : 32 F 4, 55 E 2.

183239

Int. Cl. : C 07 D 333/52, A 61 K 31/38.

PROCESS FOR THE SYNTHESIS OF BENZOTHIOPHENES.

Applicant : ELI LILLY AND COMPANY, OF LILLY CORPORATE CENTER, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

Inventors :

1. JEFFREY THOMAS VICENZI
2. TONY YANTAO ZHANG

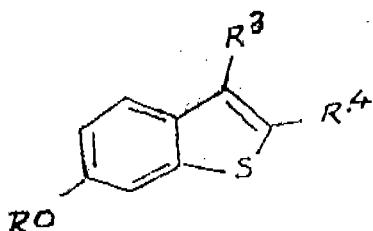
Application No. : 1714/Cal/97 filed on 17th September, 1997.

(Convention No. 60/026,695 on 25th September, 1996 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

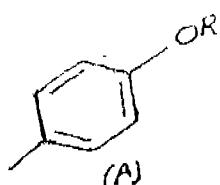
10 Claims

A process for preparing a compound of the formula :



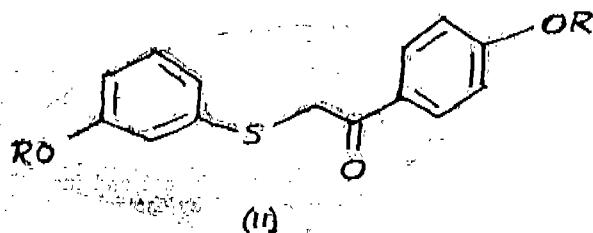
wherein

R3 and R4 are hydrogen or a moiety of the formula (A) :

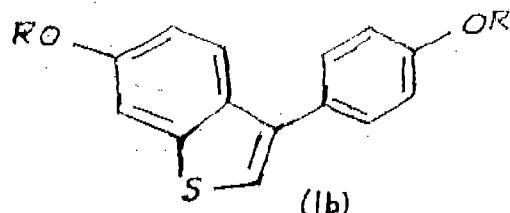


provided that only one of R3 and R4 can be hydrogen and only one of R3 and R4 can be a moiety of the formula (A); and R is independently at each occurrence C1-C8 alkyl; which comprises :

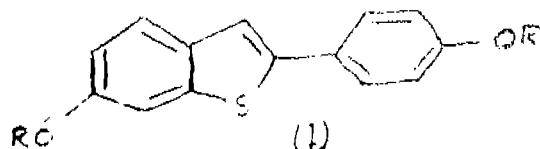
cyclizing a dialkoxy compound of formula II:



in the presence of a cation exchange resin, such as hereinbefore described, and a solvent, at a temperature between 50°C and 110°C, to form a compound of formula Ib :



and optionally rearranging the compound of formula Ib in the absence of a solvent to form a compound of formula I:



(Compl. Specn. 21 Pages)

Cl. : 55 D 2.

183240

Int. Cl. : A 01 N 63/00, A 61 L 2/16.

A METHOD OF PRODUCING A BIOCIDAL COMPOSITION, SUITABLE FOR USE IN TREATMENT OF AQUEOUS SYSTEMS FOR CONTROLLED GROWTH OF MICROBES THEREIN.

Applicant : BETZDEARBORN INC., OF 4636, SOMERTON ROAD, TREVOSE, PA 19053-6783, UNITED STATES OF AMERICA.

Inventors :

1. JOHN BARRY WRIGHT
2. DANIEL LAURENCE MICHALOPOULOS

Application No. : 2315/Cal/97 filed on 8th December, 1997.

(Convention No. 08/783,683 on 15th January, 1997 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

A method of producing a biocidal composition, suitable for use in treatment of aqueous systems, such as herein described, for controlled growth of microbes therein, said method comprising the step of admixing an effective amount, such as herein described, of an alkyl sulfosuccinate surfactant and a biocidal compound, selected from the group consisting of 2, 2-dibromo-3-nitrilopropion-amide, 5-oxo-3, 4-dichloro-1, 2-dithiol and glutaraldehyde.

(Compl. Specn. : 13 pages)

Drgns. : 4 sheets

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that M/s. KVAERNER ENGINEERING A. S. of Prof. Kohtsvei 5, N-1324 LYSAKER NORWAY, a Norwegian Company have made an application under Section 57 of the Patents Act, 1970, for amendment of application and their application for Patent No. 924/Mas/93 (182066) for "A METHOD AND A DEVICE FOR THE PRODUCTION OF CARBON BLACK AND HYDROGEN". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the patent office, Branch, 'C' Wing (C-4.A), III Floor, Rajaji Bhavan, Besant Nagar, Chennai-90, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of opposition on prescribed Form-30 within 3 months from the date of Notification at the Patent Office Branch, Chennai-90. If the written Statement of Opposition is not filed with the notice of Opposition it shall be left within one month from the date of filing the said Notice.

OPPOSITION PROCEEDINGS

An opposition has been entered by M/s. Lohia Starlinger Limited, Kanpur, to grant of a Patent Application No. 182249 (249/Bom/95) made by M/s. Star Spin & Twist Machineries Ltd. Mumbai.

An opposition has been entered by M/s. Lonia Starlinger Limited, Kanpur, to grant of a Patent Application No. 182250 (295/Bom/95) made by M/s. Star Spin & Twist Machineries Ltd., Mumbai.

An opposition has been entered by M/s. Cosmo Films Limited, New Delhi, to grant of a patent Application No. 182406 (941/Del/91) made by M/s. Polytech Research, New Delhi.

An opposition has been entered by M/s. Dabur Research Foundation, Ghaziabad, to grant of a patent Application No. 182484 (1131/Mas/96) made by Mr. Ravindra Kumar Agarwal Bangalore.

An opposition has been entered by M/s. Cosmo Films Limited, New Delhi, to grant of a patent Application No. 182511 (135/Del/92) made by M/s. Polytech Research, New Delhi.

An opposition has been entered by M/s. Cosmo Films Limited, New Delhi, to grant of a patent Application No. 182542 (942/Del/91) made by M/s. Polytech Research, New Delhi.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166201 granted to Posco India Limited for an invention relating to particulate composition and a method for the protection of graphite electrodes of electric arc Furnace.

The Patent ceased on the 06-07-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 171916 granted to Lock-R. Lock Inc. for an invention relating to Push Button padlocks having swivel-only shackles.

The Patent ceased on the 11-07-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 172445 granted to Lumicae Patent AS (assignee) for an invention relating to a luminous panel.

The Patent ceased on the 22-11-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 09-10-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration or Patent No. 177903 granted to P. K. Kulkarni & V. P. Kulkarni for an invention relating to an improved U shaped collapsible bandage for medication of human teeth and gums.

The Patent ceased on the 12-09-1998 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 174669 granted to Samsung Electron Devices Co. Ltd. for an invention relating to precoating Solution for manufacturing a luminescent Screen of color cathode ray tube.

The Patent ceased on the 23-07-1998 due to non-payment or renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 179565 granted to 1. Edward Hsing, 2. Hsieh Sheng Cheng, 3. Dick Cheng for an invention relating to electric code lock set for telecommunication cabinet.

The Patent ceased on the 21-12-1998 due to non-payment or renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25-09-1999.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents. The Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 09-12-1999 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMMERCIAL WORKING OF PATENTED INVENTIONS

CHEMICAL ENG. INDUSTRY LIST NO. III

The following patents in the field of Chemical Engineering Industry are not being commercially worked in India as admitted by patentees in the statements filed by them under section 146(2) of the patents Act, 1970, in respect of Calander Year 1996. generally on account of want of request for Licences to work the patented invention, persons who are interested to work the said Patents commercially may contact the patentees for the grant of a license for the purpose.

| Patent No. | Date of Patent | Name & Address of Patentee | Title of the Invention |
|------------|----------------|--|--|
| 1 | 2 | 3 | 4 |
| 172627 | 03-06-88 | Albright & Witson Limited a British Company. | Process for a plane rstdaut treatment of a substrate. |
| 164967 | 30-10-85 | Alcan International Ltd. | A method of anodizing an aluminium strip. |
| 163215 | 11-05-84 | Asarco Incorporated a corporation Organised under the Laws of the state of New Jersey U.S.A. | Method for the electrolytic refining of copper using thiourea as addition Agent. |
| 175483 | 22-04-88 | BP Chemicals (Additives) Ltd., England. | Fuel composition containing an additive for redusing valve seat recession. |
| 175450 | 21-04-88 | Do. | Process for the production of 2-3-dimethyl butene-1 from propene. |
| 172581 | 30-11-87 | Do. | A process for the production of the additive concentrate suitable for incorporation into a finished lubrication oil composition. |
| 169547 | 30-11-87 | Do. | A process for the production of an additive concentrate suitable for incorporation in to finished lubricating oil composition. |
| 162093 | 30-10-84 | Do. | A liquid phase process for the cationic polymarzation of-1-olefins. |
| 167854 | 29-07-86 | The Board of the Rubber Research Institute of Malaysia. | Process for the production of apoxidised natural rubber from fresh natural rubber filed latex. |
| 174844 | 20-04-89 | British Technology Group Ltd. | A method for the preparation of cement composition. |
| 169856 | 24-12-86 | Council of Scientific & Industrial Research, New Delhi. | A method for the manufacture of an extreme pressure and industrial gear oil. |
| 157110 | 07-01-83 | Do. | A process for the preparation of precipitated calcium carbonate from carbide lime sludge. |

| 1 | 2 | 3 | 4 |
|--------|----------|---|---|
| 157396 | 21-03-83 | Council of Scientific & Industrial Research, New Delhi. | An improved process for immersion stripping of nickel electrodeposits from steel and stainless steel substrates. |
| 157439 | 17-02-83 | Do. | An improved process for the electrodeposition of lead dioxide on titanium substrates. |
| 157865 | 25-06-83 | Do. | Process for the reparation of plasticizer material for use in plastic industry. |
| 158655 | 26-11-83 | Do. | Improvements in or relating to the preparation of lithium tetra chloroaluminate. |
| 158990 | 29-11-83 | Do. | Improvements in or relating to a process for the extraction of copper lead & zinc metal values from complex sulphide ores, concentrates. |
| 159041 | 17-03-83 | Do. | Process for the preparation of improved cationic fat liquer from vegetable oil. |
| 159164 | 02-06-83 | Do. | Process for the catalytic conversion of methanol to hydrocarbon mainly olefins. |
| 159186 | 18-05-84 | Do. | An improved process for the preparation of a metal sulphate. |
| 159406 | 02-02-83 | Do. | A catalytic process for the conversion of methanol to olefins rich hydrocarbons. |
| 159407 | 22-02-83 | Do. | A process for the preparation of composite catalyst material. |
| 159412 | 23-05-84 | Do. | An improved flux composition. |
| 159881 | 10-06-83 | Do. | An improved burner for use with fluid fuels. |
| 160274 | 27-05-85 | Do. | Improvements in or relating to the preparation of water borne self curing zinc silicate castings. |
| 160279 | 25-01-85 | Do. | A process for the preparation of a catalyst useful for the selective conversion of ethylene into aromatic hydrocarbon containing 6 to 8 carbon atoms. |
| 160355 | 26-09-84 | Do. | An improved process for the preparation of aluminium alloys. |
| 160403 | 02-05-84 | Do. | An improved Process for the treatment of coir/coir products to make them/ flame retardant and coir/coir products so treated. |

| 1 | 2 | 3 | 4 |
|--------|----------|--|---|
| 160478 | 18-03-85 | Council of Scientific & Industrial Research, New Delhi | An improved process for the extraction of copper, nickel, cobalt manganese metal values and from deep sea manganese nodules. |
| 160479 | 18-03-85 | Do. | An improved process for the extraction of copper nickel & cobalt metal values from deep sea manganese nodules. |
| 160520 | 10-12-84 | Do. | A process for the extraction of cobalt, nickel and copper from copper converter slags with ammonium sulphate roasting at low temperatures. |
| 160535 | 10-12-84 | Do. | A process for the extraction of copper nickel and cobalt metal values from manganese sea nodules. |
| 160536 | 10-12-84 | Do. | A process for the extraction of copper, nickel and cobalt metal values from sea bed manganese nodules. |
| 160753 | 23-03-85 | Do. | A process for the extraction of garcinol hydroxyeitic acid and anthocyanins which are useful in food industry as colouring additives from kokum plant (<i>Garcinia Indica</i> .) |
| 160754 | 16-05-86 | Do. | An inhibitor composition for protection of metal alleys from sea water. |
| 160756 | 25-01-85 | Do. | Process for the preparation of new catalyst composite material useful for the conversion of alkanols to hydrocarbons. |
| 160979 | 14-10-85 | Do | A process for the preparation of thickner material from the plant <i>litsea polyantha</i> for use in the textile printing industry. |
| 161056 | 09-07-84 | Do. | An improved process for the preparation of zinc sulhide silver phospher blue photoluminescent materials. |
| 161271 | 16-04-85 | Do. | A process for the preparation of rigid polyvinylchloride and polyacry lates alloys. |
| 161411 | 18-07-85 | Do. | An improved process for the preparation of manganese sulphate. |
| 161412 | 21-05-85 | Do. | Improvements in or relating to electro chemical synthesis of polyindole. |
| 161457 | 13-03-84 | Do. | A process for the preparation of a composition useful for coating rusted surfaces. |

| 1 | 2 | 3 | 4 |
|--------|----------|--|---|
| 161570 | 26-12-84 | Council of Scientific & Industrial Research, New Delhi | An improved process for the recovery of metallic copper from copper converter slag or any other oxidised copper bearing material. |
| 161612 | 04-07-84 | Do. | An improved process for the preparation of sym-N, N-disubstituted diaryl urea compounds. |
| 161644 | 09-07-84 | Do. | An improved process for the recovery of lead from a complex sulphide ores concentrate. |
| 162097 | 05-03-85 | Do. | An improved process for the extraction of copper from chalcopyrite, concentrate through bacterial leaching technique. |
| 162243 | 09-12-85 | Do. | Gas spargex for exothermic gas solid reactions. |
| 162297 | 10-12-84 | Do. | A process for the preparation of a non-corrosive flux for soft soldering of copper and copper based alloys. |
| 162452 | 08-10-85 | Do. | An improved process for extraction of copper nickel and cobalt from deep sea manganese nodules by ammoniacal leaching. |
| 162491 | 30-04-85 | Do. | A process for the preparation of fire resistant coating material. |
| 162504 | 04-10-85 | Do. | An improved process for the preparation of purified colloidal graphic having 0.1 to 2 micron particulate size. |
| 162522 | 05-12-85 | Do. | An improved process for the preparation of tetrabromohisphenol-A. |
| 162876 | 16-06-84 | Do. | An improved process for the selective separation of linear ar terminal aliphatic hydrocarbons and n-paraffins from petroleum fractions. |
| 162912 | 06-05-86 | Do. | A process for the simultaneous preparation of sodium vanadate and zeolite by the thermal treatment of vanadium sludge. |
| 163054 | 22-07-85 | Do. | Improvements in or relating to the preparation of epoxy polyamide titanium dioxide paint for irradiation resistant coatings. |
| 163187 | 30-03-85 | Do. | Process for the conversion of methanol to olefins. |
| 163588 | 23-03-85 | Do. | An improved process for production of fluid pumpable non-settling concentrated water based slurry fuel. |

| 1 | 2 | 3 | 4 |
|--------|----------|---|---|
| 163677 | 15-05-85 | Council of Scientific & Industrial Research, New Delhi. | A process for the removal of tarnished film from the surface of articles of silver, copper and their respective alloys. |
| 163810 | 31-07-85 | Do. | A process for the separation of stigmasterol derived products of 22 S, 23S and 22 R-Isomers of 22, 23-Dihydroxy-24 S-Ethyl-30 C-5-cyclo-50 Cholestan-6-ones from phytosterols of sugarcane wax. |
| 163832 | 01-07-85 | Do. | Process for the preparation of predominantly cationic titanium tanning extract for use as a tanning material. |
| 164270 | 30-12-85 | Do. | Improvements in or relating to a process for the preparation of corrosion/scale inhibitors suitable for prevention of metallic corrosion scale formation in system a using different grades of water. |
| 164271 | 31-12-85 | Do. | Process for the preparation of a stabilizer to inhibit autocatalytic decomposition of hydrogen peroxide added in pickling baths of copper and copper based alloys. |
| 164274 | 31-10-85 | Do. | An improved process for the extraction of nickel from lateritic nickel ores. |
| 164411 | 21-02-86 | Do. | A process for the production of stabilized coal—water slurry useful as substitute for petroleum based fuel oil. |
| 164415 | 31-07-85 | Do. | A process for preparing transparent sheets document copying purpose and transparent sheets so prepared. |
| 164416 | 02-08-85 | Do. | A process for the preparation of novel lanthanum iron silicates designated as encelite-2. |
| 164457 | 06-03-86 | Do. | An improved process for the preparation of stable anionic fat liquors based on glyceride oils having iodine values less than 100. |
| 164459 | 30-06-86 | Do. | A process for the production of kerosene from light olefins. |
| 164487 | 25-03-86 | Do. | An improved process for refining of aluminium and its alloys. |

| 1 | 2 | 3 | 4 |
|--------|----------|--|--|
| 164581 | 23-07-86 | Council of Scientific & Industrial Research, New Delhi | A process for the preparation of a new aluminium based alloy anode for cathodic protection of structures submerged both in saline and fresh waters. |
| 164652 | 29-10-86 | Do. | A process for the preparation of zinc rich primer base on alkyl silicate for corrosion protection of steel. |
| 164654 | 16-06-86 | Do. | An improved process for diffusion aluminising of shaped articles of low carbon steel and low alloy steel. |
| 164706 | 14-10-85 | Do. | An improved alkaline primary battery cell. |
| 164775 | 31-12-85 | Do. | A process for preparing polymer bonded clay useful for surface treatment water proofing moth proofing of articles. |
| 164964 | 30-08-85 | Do. | An improved process for the extraction of vanadium pentoxide from vanadium bearing titaniferous magnetites or any other vanadium bearing material. |
| 164973 | 01-01-87 | Do. | A process for the production of pure silica & oxalic acid from paddy husk. |
| 165431 | 12-08-86 | Do. | A process for the manufacture of sub-micron gate gas mestets using contact photo lithography. |
| 165506 | 18-07-85 | Do. | Improvements in or relating to a process for the preparation of an inhibitor suitable for batch and continuous pickling of steels in hydrochloric acid solution. |
| 165510 | 12-02-87 | Do. | A process for the preparation of nitro potassic fertilizers & technical grade potassium nitrate from mixed salt. |
| 165530 | 31-12-85 | Do. | An improved process for the production of high resistivity amorphous hydrogenated silicon films. |
| 165726 | 12-02-87 | Do. | A process for the production of ammonia by photo catalytic reduction of molecular nitrogen. |
| 165763 | 31-07-85 | Do. | Improvement in the preparation of pharmaceutical formulations in the form of suspensions. |
| 165920 | 11-12-86 | Do. | A process for the preparation of low molecular weight xylanase from chitosan. |
| 165976 | 16-06-86 | Do. | A method of production of hydrogen from biological wastes. |
| 165977 | 11-08-87 | Do. | Improved electrolytic cell for the production of calcium glucomate. |

| 1 | 2 | 3 | 4 |
|--------|----------|---|--|
| 166149 | 25-03-86 | Council of Scientific & Industrial Research, New Delhi. | Process for the preparation of crystalline alumina phosphate catalysts. |
| 166181 | 05-05-87 | Do. | An improved process for preparation of-2, bromo-1-phenylethanone. |
| 166284 | 31-03-86 | Do. | A process for the preparation of collagen derivatives from rejected & poor quality hides & skins useful for incorporation in cosmetic formulations. |
| 166734 | 25-03-86 | Do. | Improved process for the production of trichlorosilane (TCS) from silicon tetrachloride. |
| 166826 | 17-06-86 | Do. | A process for the preparation of water dispersable maleinised fatty derivatives for incorporation in tanned leathers for imparting water repellency. |
| 166830 | 24-12-86 | Do. | A process for the enrichment of silica in commercial sodium silicate solutions. |
| 166853 | 05-06-87 | Do. | A process for the elecrosynthesis of conducting polythienylenes. |
| 167019 | 17-10-86 | Do. | An improved process for the manufacture of high sensitivity thermistors. |
| 167037 | 13-08-86 | Do. | A process for the preparation of pure high bulk dousily iron (III) oxide. |
| 167205 | 12-06-86 | Do. | A process for desulphurization of high sulphur coal. |
| 167305 | 21-04-86 | Do. | An improved process for the production of alumina from low grade and submarginal bauxite. |
| 167309 | 12-06-86 | Do. | A process for desulphurization of high sulphur coal. |
| 167482 | 25-04-86 | Do. | A process for the recovery of nickel and cobalt from copper converter slag or their oxide ores. |
| 167484 | 01-07-86 | Do. | An improved process for cold pelletization of crome ore fine and concentrates. |
| 167668 | 22-02-88 | Do. | An improved process for electroless nickle coating tools dies and moulds. |
| 167670 | 10-03-88 | Do. | A theft alarm system. |
| 167682 | 29-01-87 | Do. | An improved process for the manufacture of a tool for electrochemical machining of materials and the tool so manufactured. |
| 167684 | 19-04-87 | Do. | An improved process for the selective hydroformylation of aliphatic olefins to corresponding linea aldehydes. |

| 1 | 2 | 3 | 4 |
|--------|----------|---|---|
| 167738 | 18-09-87 | Council of Scientific & Industrial Research, New Delhi. | A process for the preparation of an enzyme galactosidase useful for reducing the content of lactose in lactose containing products like milk whey and other dairy products. |
| 167936 | 06-12-86 | Do. | Lubricating oil composition for two strokes petrol engine. |
| 168135 | 26-09-86 | Do. | An improved process for the production of alkali soluble humic acid & ammonium salt thereof from low rank coal weathered cooler bignite through solid gas reactor. |
| 168140 | 24-12-86 | Do. | A process for the extraction of metal values from deep sea polymetallic nodules by direct reduction ammonia leaching. |
| 168294 | 02-09-86 | Do. | Process for the manufacture of aluminium alloy silica sand composite brake liner and engineering applications. |
| 168301 | 02-09-86 | Do. | A process for the manufacture of aluminium graphite particulate composite using uncoated graphite particles for automobile & engineering applications. |
| 168377 | 03-06-86 | Do. | An improved for the manufacture of sintered synthetic high alumina aggregate. |
| 168399 | 10-02-89 | Do. | A process for the preparation of a high silica zeolite of pentasil family from paddy nosk ash. |
| 168413 | 01-06-88 | Do. | Improved method for the preparation of alkyal resin, based water thinable air drying paint. |
| 168451 | 02-06-87 | Do. | A process for the preparation of polyphenylene oxide as an adherent film on metallic substances. |
| 168794 | 24-12-86 | Do. | An improved process for the phospho-sulphidated jojoba oil useful as multi-functional additives for lubricating oil. |
| 169129 | 06-03-86 | Do. | A process for the preparation of catalysed oxygen scavengers, suitable for removal of dissolved oxygen in water. |
| 169137 | 06-03-86 | Do. | A process for the preparation of catalysed oxygen scavengers suitable for removal of dissolved oxygen in water. |
| 169140 | 11-08-87 | Do. | A process for the production of compacted graphite iron. |

| 1 | 2 | 3 | 4 |
|--------|----------|---|---|
| 169857 | 24-12-86 | Council of Scientific & Industrial Research, New Delhi. | An improved process for the sulphurisation of jojoba oil for use as an extreme pressure additive. |
| 169947 | 17-11-87 | Do. | An improved process for the preparation of copier phthalocyanine blue. |
| 169189 | 14-03-89 | Do. | A process for the preparation of high flux membrane from the blend of formulation of cellulose acetate & cellulose triacetate useful for the desalination of brackish water by reverse osmosis process. |
| 169191 | 18-03-87 | Do. | A process for the preparation of clay leaded metal cadoxen catalyst useful for the hydrogenation of oils & other unsulfurated compounds. |
| 169279 | 29-11-85 | Do. | A process for the preparation of dioxygen complex of rhuthenium useful for photocatalytic decomposition of water into hydrogen & oxygen. |
| 169371 | 06-03-86 | Do. | A process for the preparation of catalysed oxygen scavengers suitable for prevention of metallic corrosion in systems using different grades of waters. |
| 169373 | 23-10-86 | Do. | A process for the production of chromitecoke composite briquettes. |
| 169375 | 05-12-86 | Do. | An improved process for briquetting chrome ore fines & concentrates. |
| 169502 | 31-12-86 | Do. | A process for the photo catalytic decomposition of water into hydrogen & oxygen. |
| 169747 | 28-04-88 | Do. | A process for the preparation of indicator paper for on the spot testing of iodine in the range of 15-42 ppm in iodated salt. |
| 170347 | 03-10-88 | Do. | An improved water treatment plant. |
| 170384 | 13-04-87 | Do. | A process for the desilication of black/green liquor for recovery of paper grade lime in paper mills. |
| 170388 | 24-03-87 | Do. | A process for the manufacture heat insulations refractory products by foaming technique. |
| 170438 | 14-03-89 | Do. | An improved process for the synthesis of ores. |

| 1 | 2 | 3 | 4 |
|--------|----------|---|---|
| 170445 | 28-04-88 | Council of Scientific & Industrial Research, New Delhi. | A process for the production copper rod glass. |
| 170449 | 13-02-87 | Do. | A process for the preparation of polymer aqueous resin emulsion for the use as pressure sensitive adhesive on paper metal foils tapes & surgical plasts. |
| 170008 | 16-12-86 | Do. | An improved process for the manufacture of hydroxy citronellal from citronellal. |
| 170465 | 22-08-88 | Do. | A bipolar cell for the production of chlorates and hypochlorites. |
| 170589 | 31-01-90 | Do. | An improved process for the synthesis of OL (3, 6-DI-O, methyl, B-O-glaconyngyl)-(1- 4)-O (2, 3-DI-O methyl & L rhamnophranosyl- (1-74). |
| 170660 | 26-09-86 | Do. | An improved method to manufacture manganese monoxide from manganese ores. |
| 170829 | 07-09-87 | Do. | An improved process for the preparing of a ligh silica zeolite catalyst composite material. |
| 170830 | 13-10-87 | Do. | An improved process for the preparation of active alkali silicate from rice husk ash. |
| 170833 | 26-09-86 | Do. | An improved method to manufacture manganese monoxide. |
| 170836 | 15-10-87 | Do. | A process for the preparation of oxalic acid from wood dust. |
| 170837 | 17-11-87 | Do. | An improved process for the conversion of natural gas into middle distillates. |
| 170901 | 28-04-88 | Do. | A consistancy viscosity monitor useful for measuring the consistency viscosity of a liquid. |
| 170903 | 22-12-87 | Do. | A process for the production of kerosene & diesel from C C C naptha. |
| 170962 | 15-06-87 | Do. | A process for the continous solvent extraction & electro winning of copper & zinc from ammoniacal leach liquor obtained from pressure leaching of multi metal sulphide ores/concentrates. |

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| 171013 | 04-08-88 | Council of Scientific & Industrial Research, New Delhi. | A process for formation of stencil for solder cream printing on thick film hybrid circuits. |
| 171018 | 17-05-88 | Do. | A process for the preparation of a solid formulation for field testing of iodine in the range of 1-15 ppm present in 50. g. iodated salt. |
| 171230 | 15-12-88 | Do. | A process for preparation of stabilized high ash coal oil slurries. |
| 171362 | 13-04-87 | Do. | Process for the preparation of a catalyst composite material. |
| 171363 | 15-04-87 | Do. | Process for the preparation of a catalyst composite material. |
| 171407 | 24-09-87 | Do. | An improved process for the preparation of carboxylic acids. |
| 171636 | 24-10-88 | Do. | An improved process for the preparation of a thermosetting acrylic paint. |
| 171638 | 08-10-87 | Do. | A process for the production of film based carbon paper. |
| 171646 | 24-02-89 | Do. | A process for the preparation of polymeric membrane useful for the separation & concentration of inorganic complex molecules. |
| 171648 | 14-03-89 | Do. | An improved process for the preparation of solvent resistant hightinting strength copper phthalocyanin blue pigment. |
| 171649 | 07-02-89 | Do. | An improved process for the preparation of insulating bricks from talc. |
| 171782 | 13-07-88 | Do. | process for the preparation of ablative tire retardant polymer composit from cashewnut shell liquid. |
| 171984 | 30-07-87 | Do. | An improved process for the preparation of elastomers having random distribution of functional groups from olefinic polymers. |
| 172048 | 22-12-87 | Do. | A process for the preparation of fertilizer useful to increase phosphate availability in soil. |
| 172138 | 21-10-87 | Do. | A process for the preparation of 1-(1,5-dimethyl-5-(substituted hexyl)-4-methylbenzenes from ringbenzene. |
| 172214 | 21-10-87 | Do. | A process for the preparation of 1-(1,5-dimethyl (substituted hexyl)-4 methylbenzenes from zingberene. |

| 1 | 2 | 3 | 4 |
|--------|----------|--|---|
| 172287 | 30-03-87 | Council of Scientific & Industrial Research, New Delhi | Improved process for the carbonylation of alcohols to carboxylic acids. |
| 172326 | 16-03-89 | Do. | Improved process for the preparation of brunswick greens. |
| 172329 | 17-02-89 | Do. | Electrochemical cell for the electrolytic preparation of magnesium chlorate & a process using for the said cell. |
| 172333 | 10-03-89 | Do. | process for the preparation of a novel crystalline aluminosilicate. |
| 172361 | 21-03-88 | Do. | An improved reforming process. |
| 172416 | 03-10-88 | Do. | A process for the preparation of oriented powder of super conducting-B ₂ Cu ₃ O ₇ -Compound. |
| 172542 | 13-06-89 | Do. | An improved coating composition useful for the protection of concrete structures. |
| 172587 | 16-03-88 | Do. | A process for making port land cement from rice husk. |
| 172588 | 07-06-89 | Do. | Process for the preparation of rhenium metal complex having formula (Ru(Edta-4) CL) useful as catalysts for water goes shift reactions. |
| 172784 | 09-06-98 | Do. | A process for the preparation of a novel crystalline alumino-silicate designated as ancillite-12. |
| 172785 | 16-06-88 | Do. | An improved naphtha reforming process. |
| 172971 | 13-02-87 | Do. | A process for the sintroing of chromite ore fines & concentrates. |
| 172985 | 20-01-89 | Do. | A process for the preparation of an improved jojoba oil body cream containing transesterified jojoba oil & jojoba oil. |
| 173447 | 17-12-89 | Do. | A process for the recovery of ammonium partungstata or synthetic sheelite from scheelite minerals. |
| 173448 | 31-12-87 | Do. | A process for the preparation of trialkyl acyl ammonium compound useful as phase transfer catalysts (p t c) |
| 173495 | 24-03-87 | Do. | A process for manufacture of non-reactive low melting fatty polyamides. |
| 173497 | 13-07-88 | Do. | An improved process for manufacturing at alloy metal matrix composites. |
| 173526 | 08-12-87 | Do. | An improved process for the manufacture of geranil from citronella oil. |
| 173558 | 26-02-90 | Do. | A process for the isolation & purification of a new ribo-nuclease from cobra venom (naja-naja) |

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|--------|----------|---|---|
| 173626 | 08-03-90 | Council of Scientific & Industrial Research, New Delhi. | An improved process for the hydrolysis of cassava flower. |
| 173627 | 08-03-90 | Do. | A process for preparing cereal lassi concentrate. |
| 173760 | 26-02-90 | Do. | A process for the preparation of 1-6'-methoxy 4-guinalinyl-3-(3'' vinyl-1-1''-(substituted aminoacetyl) 4''piperidyl)-2-methylene propane 1-ones and their water soluble salts. |
| 173865 | 31-01-90 | Do. | An improved process for the preparation of aryl 4-alkyl carbamate esters. |
| 173908 | 04-01-91 | Do. | An improved process for the preparation of (5) diols. |
| 173941 | 22-03-90 | Do. | An improved process for the extraction of superior grade palm kernel meal & oil from palm kernel. |
| 173942 | 27-03-90 | Do. | A process for the separation of arbor-tristoside A, arbor-tristoside B, arbor-tristoside C, arbor-tristoside D, arbor-tristoside E and 6B-hydroxy loganin from the seeds of the plant nyctanther-arbor-tristis. |
| 173943 | 27-03-90 | Do. | A process for the preparation of iridois having omtileish manial activity from the seeds of the plant nyctanthes arbor-tristis linn. |
| 173945 | 11-09-90 | Do. | An improved process for the preparation of hydrox & phenyl pro propomolamine. |
| 173948 | 31-10-90 | Do. | A process for the synthesis of novel 5-acyl-Z-acylamino-14-bengimidazoles useful as antifilarial agents. |
| 173949 | 27-06-90 | Do. | An improved process for the preparation of acetyl phosphoramidothioates. |
| 173991 | 16-10-90 | Do. | A process for the synthesis of N-1 and N-2 substituted-4, 6-B is (thioalkul)-1 H-pyra zolo (3, 4-d) pyrimidine. |
| 173992 | 16-10-90 | Do. | A process for the synthesis of 4-amino-6-thio alkyl-1-(2'-2'-diethoxylethul)-1H-pyrozola (3, 4-d) pyrimidine. |
| 173994 | 31-10-90 | Do. | A process for the preparation of bioside useful for controlling mosquito borne diseases from bacillus sphacricus. |

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|--------|----------|---|---|
| 173995 | 31-10-90 | Council of Scientific & Industrial Research, New Delhi. | A process for the synthesis of alkyl 5(6)-(N', N3 dicarbalkoxy guanidino) phenyl carbonyl benzimidazole-2-carbamates. |
| 173996 | 14-11-90 | Do. | A process for the preparation of an active composition containing triterpenes including ozadirachtin & its derivatives possessing insect antifeedant & growth inhibitory activity from parts of the neem plant. |
| 173997 | 14-11-90 | Do. | A process for preparation of insecticidally active composition containing lipids from the neem plant. |
| 173998 | 14-11-90 | Do. | A process for the isolation of new triterpene derivatives of aradirachtin from the parts of neem tree. |
| 173999 | 26-12-90 | Do. | An improved process for the preparation of microtitre plate useful for sandwich enzyme immunoassay of haptens small molecules. |
| 174002 | 28-07-89 | Do. | A process for the manufacture of sputtering targets of ceramic in oxides such as 4-BA-CU-O to prepare temperature super conducting thin films. |
| 174010 | 03-04-91 | Do. | An improved process for the preparation of aluminium hydroxide gel powder having antacid properties. |
| 174013 | 26-02-90 | Do. | A process for the preparation of 1-(6', methoxy-4-quinolonyl, 3(3"-vinyl-1"- (N, N-dialkyl or heterocyclic amino alloy) or substituted amino alkyl 4" piperidyl 2-methylene-propanol-1-ones & their water soluble salt. |
| 174036 | 24-04-90 | Do. | An improved process for the preparation of quinidine from quinine. |
| 174039 | 30-08-90 | Do. | An improved process for the preparation of mono-chloroanisale. |
| 174040 | 05-09-90 | Do. | An improved process for the preparation of 4 phenyl-1-1 (2-substituted ethyl) imidazo-lidin-2-ones. |
| 174343 | 18-08-89 | Do. | An improved process for making short ceramic fibres/whiskers. |

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| 174619 | 03-11-89 | Council of Scientific & Industrial Research, New Delhi. | An improved process for the electrochemical preparation of chlorotolyener employing precious metal oxide coated anode. |
| 174779 | 03-01-89 | Do. | Improved process for conversion of crystalline microporous aluminophosphate to crystalline silicoaluminophosphate. |
| 174811 | 19-10-89 | Do. | A process for the preparation of crystalline metallorilicate. |
| 174813 | 06-10-89 | Do. | A process for the preparation of an improved catalyst composite material useful for the hydrodewaxing of petroleum oils. |
| 174906 | 28-07-88 | Do. | An improved process for the preparation of non-heterocyclic aromatic compounds. |
| 174910 | 19-10-89 | Do. | A process for the preparation of vapour phase inhibitor suitable for protection of ferrous material from atmospheric corrosion. |
| 174922 | 20-01-89 | Do. | A process for the preparation of novel ruthenium complex catalyst containing sigma donor ligands for the oxidation of returated hydrocarbon. |
| 175028 | 25-07-89 | Do. | An improved furnace for melting of metals. |
| 175030 | 20-01-89 | Do. | A process for the oxidation of saturated hydrocarbons. |
| 173947 | 29-10-90 | Do. | An improved process for the preparation of arteether. |
| 175029 | 28-07-89 | Do. | An improved process for the isolation of paresaponin from the fruits of sapindus mukorossi. |
| 175121 | 28-04-88 | Do. | A process for the preparation of desscant grade chromatographic grade silika gel from paddy husk. |
| 175147 | 06-10-89 | Do. | Improved process for the hydrodewaxing of petroleum oil for the production of dewaxedoil. |
| 173083 | 19-10-87 | Do. | A process for the manufacture of high alumina refractory brick from sillimanite beach sand by ceramic bonding. |
| 175156 | 15-11-88 | Do. | Process for the synthesis of 6-methoxy-B-(N-substituted-1-methyl-4-aminobutyl), aminoquinoline. |
| 175180 | 31-10-90 | Do. | A process for the preparation of 3-arylmethyl-1-(3-diethylaminopropyl) pyrrolidines. |

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| 175182 | 27-06-89 | Council of Scientific & Industrial Research, New Delhi. | An improved anaerobic moving bed contractor for treatment of biodegradable liquid wastes and bio-gas recovery. |
| 175185 | 10-07-89 | Do. | A process for increasing the concentration of xylenes in aromatic fractions. |
| 175189 | 17-12-90 | Do. | A process for producing steel by using 100% directly reduced iron (DRI) ore. |
| 175208 | 27-06-90 | Do. | An equipment to make stack gas free from sulphur-dioxide (CO_2). |
| 175330 | 12-10-88 | Do. | A process for the conversion of methane to ethylene. |
| 175343 | 19-04-89 | Do. | A process for the extraction of nickel & cobalt by low temperature reduction of chromite over burden. |
| 175365 | 24-05-90 | Do. | A process for the preparation of composition for promoting flowering in bamboo species. |
| 175369 | 26-12-90 | Do. | A process for preparation of a novel N-N-bis 17 Bol androstan-4-(3 thiopropionyl) derivatives of aliphatic diamines. |
| 175439 | 28-12-87 | Do. | An improved process for the beneficiation of iron ore fines and dumina bearing ores/minerals. |
| 175458 | 07-06-89 | Do. | An improved process for the preparation of carbon dioxide and hydrogen using carbon monoxide & water. |
| 175460 | 27-06-89 | Do. | An improved process for the preparation of symmetrical alkyl substituted ureas. |
| 175486 | 25-08-89 | Do. | An improved process for the electrodeposition on to a metal substrate of cadmium from a perchlorate based electrolytic bath. |
| 175525 | 27-03-89 | Do. | An improved process for refining of pig iron by removing silicon phosphorus & sulphur in a single oxygen step without using gaseous. |
| 175567 | 20-08-90 | Do. | An improved process for the preparation of 1, 2, 3, 4, 6, 7, 12, 12a Octa-hydropyrazino (2' 1' 6, 1) pyrido (3, 4, 6) indole. |

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| 175569 | 16-10-90 | Council of Scientific & Industrial Research, New Delhi. | A process for the synthesis of 4-amino-6-thioalkyl-2-(2', 2'-diethoxy ethyl)-2H-pyrazolo (3, 4-d) pyrimidine. |
| 175602 | 18-08-89 | Do. | A new process for making of co-deposited short ceramic composition fibres. |
| 175441 | 12-10-88 | Do. | A process for preparation of water soluble epoxy resin for cathodically depositing the resin over metal sheets. |
| 175442 | 28-12-87 | Do. | A process for the preparation of a new dispersant chemical additive useful in selective dispersing of alumina bearing one fines/minerals. |
| 175209 | 21-09-90 | Do. | An improved process for the preparation of an iron catalyst useful for the producing of synthetic liquid fuels having 62-69% yield of middle distillate (C_5^+) fraction from synthesis gas. |
| 175222 | 07-06-89 | Do. | A process for synthesis of zeolites from green liquor of paper mill waste liquor. |
| 175609 | 19-10-89 | Do. | A process for reforming of pyrolysis naphtha. |
| 175610 | 27-11-1990 | Do. | A process for the isolation of anticancer compound (orotepoxide) from the berries of <i>Riper attenuatum</i> |
| 175611 | 07-11-1988 | Do. | A process for preparing a cationic polyelectrolyte containing a quaternary nitrogen atom useful as a flocculant for clarification of effluent water generated in oil fields |
| 175617 | 18-12-1990 | Do. | An improved process for the preparation of 1-ethoxy or 1-cyano-5 substituted-11-methyl-10 aza-4, 6, 12 trioxatricyclo (7, 2, 1, 02, 8) dodec-10-one. |
| 175618 | 26-12-1990 | Do. | A process for the preparation of a novel N, N-Bis 2 (testosterone-3-3iminoxy) acetyl derivatives of aliphatic diamines. |
| 175619 | 26-12-1990 | Do. | A process for the preparation of a novel N-17 polandrasten-4-(3 thiapropionyl) N-2 (testo sterone -3-iminoxy) acetyl derivats of aliphatic diamines. |
| 175702 | 08-05-1990 | Do. | A process for the preparation of emitting europium activated alkaline earth fluoro halide phosphors. |
| 175704 | 18-05-1990 | Do. | A process for the preparation of a liquid reagent indicator formulation for estimation of iodine in iodated salt. |
| 175705 | 12-05-1989 | Do. | An improved process for the production of 2, 4-dihydroxy quinaline. |
| 175706 | 15-05-1989 | Do. | A process for the preparation of crystalline catalyst composit Materials. |

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| 175603 | 13-12-1988 | Council of Scientific & Industrial Research, New Delhi. | A process for the preparation of a crystalline tetra aluminosilicate. |
| 175708 | 16-10-1990 | Do. | A process for the preparation of skin care lotion containing of transesterified jojoba oil. |
| 175714 | 03-09-1990 | Do. | An improved process for making glazed ceramic tiles from pyrophyllite. |
| 175719 | 20-03-1990 | Do. | An improved process for sintering Ba ₂ Cu ₃ O ₇ -X Super conductor. |
| 175725 | 03-01-1991 | Do. | An improved process for the preparation of rust converting primer based on water thinnable chlorinated rubber resin. |
| 175726 | 06-10-1989 | Do. | A process for the productoin of novel catalyst composite useful for the production of cycle oils having lower pour points. |
| 175729 | 13-12-1988 | Do. | A process for producing high density high purity, hydratim resistant dead burnt dolomitic lime by product dolomite concentrate obtained while benefisiation of low grade phosphate ore. |
| 175732 | 30-05-1988 | Do. | A process for the preparaton of a catalysts composite material. |
| 175736 | 04-11-1988 | Do. | An improved process for the extraction of hyaluronic acid having a molecular weight of the order of 2 milion. |
| 175737 | 04-11-1988 | Do. | An improved process for the reductive leaching of polymetallic manganeseferrous sea nodule for the recovery of copper nickel and cobalt. |
| 175738 | 11-11-1988 | Do. | A method for enhanced dewaxing of crude rice bran oil or other edible oils. |
| 175746 | 21-12-1988 | Do. | A process for manufacture of portland cement clinker using solid fuel by downdraft technique. |
| 175747 | 06-02-1989 | Do. | An improved electrochemical process for the production of potassium iodate. |
| 175749 | 02-08-1991 | Do. | An improved process for the preparation of a pesticidal composition based on polymers usefull for controlled release of pesticides in aquatic habitats. |
| 175750 | 18-12-1990 | Do. | An improved process for the preparation of 5, 8-dihydro-1-naphthol. |
| 175786 | 13-12-1989 | Do. | An improved process for the extraction of copper nickel and cobalt metal valves from manganese sea nodules. |
| 175789 | 18-12-1990 | Do. | An improved process for the preparation of CIS-5(3-1, 1-di-methyl-ethyl)-amino)-2 hydroxy. |
| 175790 | 26-12-1990 | Do. | An improved process for the preparation of alkylidene saryl esters of. |
| 175802 | 3-10-1988 | Do. | A novel process for the preparation of methyl-dethyl ketone (2)- butanone) by oxidation of butenes. |

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| 175806 | 07-06-1989 | Council of Scientific & Industrial Research, New Delhi | An improved process for manufacture of cement |
| 175810 | 19-10-1989 | Do. | An improved process for the preparation of porous crystalline titanium silicate TS-1. |
| 175850 | 30-08-1990 | Do. | A process for the preparation of x(RS) cyano P-substitute benzyl (+) cis-2, 2 dimethyl-3-(2, 2-dichlorovinyl) cyclopropane carboxylates. |
| 175855 | 07-11-1988 | Do. | An improved process for catalytic oxidative conversion of methane to (2-hydroxy)carbons in presence of free oxygen. |
| 175858 | 25-07-1989 | Do. | An improved process for the preparation of cold bonded iron repellents using cement silica binder. |
| 176009 | 30-11-1990 | Do. | An improved process for the production of immobilized penicillin-6 cyl-sec useful for the preparation of 6-amino sensillamis acid. |
| 176818 | 30-11-1990 | Do. | A process for the preparation of crosslinked spherical hydroxyethyl methacrylate terpolymer beads of controlled pore size distribution. |
| 176015 | 04-12-1988 | Do. | A process for Oxidative conversion of methane to C2 hydrocarbons. |
| 176017 | 13-12-1988 | Do. | A process for production of smokeless easily ignitable pellets from carbon dust of lumps. |
| 176030 | 19-10-1989 | Do. | Process for the preparation of catalyst composite material. |
| 176035 | 29-12-1988 | Do. | An improved process for the production of cumone. |
| 176036 | 29-12-1988 | Do. | A process for preparation of crystalline micro-porous alumina silicate useful as catalyst & absorbent. |
| 176037 | 29-12-1988 | Do. | An improved flotation process for benefication of coal alkaline minerals. |
| 176051 | 07-11-1988 | Do. | Process for the preparation of crystalline composition ferrisilicate material useful as catalyst. |
| 176068 | 01-12-1988 | Do. | A process for preparation of crystalline microporous (pore size about 8A) alumina phosphate. |
| 176064 | 03-12-1988 | Do. | A process for the production of tabular alumina. |
| 176065 | 05-12-1988 | Do. | A process for the production of an improved quality of active carbon from wood charcoal of sub-bitum type. |
| 176069 | 27-12-1988 | Do. | A process for the preparation of phosphonylated polyesters from alkyl/alkenyl/phenolic. |
| 176085 | 07-02-1990 | Do. | An improved process for preparation of yttrium oxy sulphide phosphors. |
| 176097 | 23-01-1990 | Do. | A process for the production of iron composite materials. |
| 176098 | 23-10-1988 | Do. | An improved process for the conversion of methane to ethylene by catalytic and noncatalytic oxidative pyrolysis. |

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| 176099 | 07-11-1988 | Council of Scientific & Industrial Research, New Delhi. | An improved process for preparation of acetic anhydride. |
| 176100 | 07-11-1988 | Do | An improved process for the synthesis of uniform submicron grade (<LUM) Sr-ferrite powder by chemical coprecipitation technique. |
| 176138 | 20-08-1990 | Do | An improved process for the preparation of S. No. 2 having high sintered densities. |
| 176140 | 04-10-1990 | Do | Improved magnesium metal oxide air cells. |
| 176142 | 23-01-1990 | Do | Device for the production of high quality steel from directly reduced iron/red or slab & a process for the production of high quality steel using the said device. |
| 176143 | 07-11-1988 | Do | Process for the preparation of crystalline aluminosilicate. |
| 176147 | 17-01-1991 | Do | An improved burette. |
| 176164 | 24-10-1988 | Do | A process for the preparation of catalyst composite material useful for the fluid catalytic cracking to petroleum fraction. |
| 176175 | 06-10-1989 | Do | Process for the preparation of a crystalline ferrisilical catalyst composite material. |
| 175144 | 15-05-1989 | Duracell Internation Inc U.S.A. | Process for producing beta manganese dioxide. |
| 176158 | 03-12-1986 | Exxon Chemical Patents Inc of U.S.A. | An method of polymerising ethylene or ethylene and olefins. |
| 176423 | 23-08-1989 | Do | Process for producing purifies linear paraffins. |
| 161503 | 10-10-1984 | Exxon Research & Engineering Comp, U.S.A. | A method of purifying N-methyl-2-pyrrolidine solvent. |
| 167753 | 25-07-1986 | Do | Absorbent composition. |
| 172110 | 25-07-1986 | Do | A process for productive a fluid mixture free of H ₂ S by the selective absorption of H ₂ S from a fluid mixtures. |
| 172636 | 28-12-1987 | Do | Process at normally cracking hydrocarbons using particulate solidas heat corner. |
| 174722 | 13-12-1988 | Exxon Research & Engineering Co. U.S.A. | A method for producing a tube oil base stock or blending stock of improved daylight stability. |
| 174723 | 13-12-1988 | Do | Method for isomorizing wax to tube base oils. |
| 174770 | 28-03-1989 | Do | A method for production of substantially pure N-methyl-2-pyrrolid one (NMP). |
| 168703 | 25-03-1986 | Glaverbel of charles de la Hulpe 166, B-1178, Bruxelles, Belgium. | A process & apparatus for depositive or forming refractory masses on the surface of a substrate. |
| 170071 | 28-11-1985 | Do | Process for forming a refractory mass on a surface. |
| 170209 | 28-11-1985 | Do | A refractory composition for use in spraying against a surface to form a refractory mass. |
| 169380 | 07-01-1986 | The Goodyear Tire & Rubber Co., U.S.A. | Method of manufacturing partially crystalline polyester articles. |
| 169503 | 07-01-1986 | Do | Method of manufacturing an amorphous thermally stable polyolefin modified polyethylene terephthalate sheet. |

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|--------|------------|--|---|
| 169172 | 28-04-1988 | Shree Krishnakeshav Laboratories Limited | A process for the manufacture of bronze coloured sheet glass. |
| 174217 | 28-11-1988 | The Lubrizol Corporation, U.S.A. | A gear oil composition. |
| 175231 | 28-07-1987 | Do. | A functional fluid composition. |
| 175235 | 26-05-1989 | Do. | A lubricating oil composition. |
| 175327 | 26-05-1989 | Do. | Lubricating oil composition. |
| 173981 | 02-03-1988 | Do. | Gear lubricant composition. |
| 174188 | 19-01-1989 | Do. | A fuel composition. |
| 173442 | 08-09-1987 | Do. | A fuel additive composition. |
| 161061 | 24-6-1983 | Do. | Process for making a nitrogen containing ester of a carboxy containing interpolymers. |
| 163584 | 15-06-1984 | Do. | A method of preparing metal salts of dialkylphosphorodithioic acids. |
| 174850 | 02-02-1990 | Do. | Process for the preparation of a dispersant salt suitable for formation of stable aqueous dispersant composition. |
| 165348 | 24-12-1985 | Do. | A process for preparing a coating composition. |
| 166474 | 30-10-1985 | Do. | A process for preparing a lubricant additives aqueous system. |
| 165512 | 15-01-1986 | Do. | Liquid hydrocarbon composition for use as fuels crude oils and lubricants. |
| 167018 | 13-09-1991 | Do. | A method for producing homopolymers and copolymers of amidosulfuric acid containing monomers and salts thereof. |
| 167490 | 25-11-1986 | Do. | A process for preparing an oil-soluble viscosity improver. |
| 167666 | 13-10-1986 | Do. | A water in oil emulsion for use such as hydroscopic fluids acidizing fluids or explosive compound. |
| 167837 | 05-03-1986 | Do. | A fuel composition for internal combustion engine. |
| 167977 | 13-01-87 | Do. | Lubricant composition containing transition metals for viscosity control. |
| 168197 | 23-09-87 | Do. | Process for the production of a high carbonate containing borated product. |
| 169147 | 19-03-87 | Do. | A synthetic lubricant composition. |
| 169508 | 17-12-86 | Do. | Composition for use as an additive for functional fluids. |
| 170459 | 17-09-87 | Do. | Lubricant composition. |
| 170655 | 18-12-85 | Do. | Improved dispersant salt composition. |

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| 170839 | 25-11-86 | The Lubrizol Corporation, U.S.A. | A process for preparing an oil soluble viscosity improver. |
| 172193 | 25-11-86 | Do. | A process for making an oil soluble dispersant viscosity modifying composition. |
| 173483 | 23-12-94 | Do. | Synergistic composition containing a lubricating oil and metal salts of dialkylphochroditioic acid. |
| 173488 | 16-10-87 | Do | A process for the preparation of bases containing everbased salts of organic acids. |
| 173500 | 14-05-87 | Do. | Phosphorus and sulfur containing lubricant and functional fluid compositions. |
| 175512 | 17-08-88 | Do. | Process for the recovery of alcohols from a mixture of alcohols from a mixture of alcohol & phosphorus compounds. |
| 175524 | 19-12-88 | Do. | A process for preparing alphaolefin polymers. |
| 175528 | 28-07-87 | Do | A process for preparing phenothiazine derivatives. |
| 175577 | 07-11-88 | Do. | A process for preparing a nitrogen containing esters of carboxy containing interpolymers. |
| 175784 | 29-06-88 | Do | Lubricating oil composition for controlling and/or inhibiting the formation of block sludge in a gasoline fueled internal combustion engine. |
| 176002 | 06-07-88 | Do. | Spin fiber lubricant composition & a fibrous material having applied thereon said composition. |
| 176161 | 09-09-86 | Do. | A process for preparing a metal Mannich complex for uses on additive in fuel oils. |
| 176167 | 09-09-86 | Do. | A process for the preparation of a metal Mannich complex additive. |
| 176245 | 17-12-86 | Do | A fuel composition. |
| 176271 | 25-07-86 | Do. | A process for making a water dispersible hydrocarbon by substituting succinic acid or anhydride/amine terminated poly (oxyalkylene) reaction product. |
| 176418 | 19-10-89 | Do. | Liquid compositions containing carboxylic esters. |
| 171289 | 10-06-88 | Mathesh Kumar Khaitan, of 20, Sector 9A, Chandigarh, India. | Process for the recovery of caustic soda from black liquor. |
| 174222 | 03-10-89 | Middleburg Steel & Alloys (Proprietary) Ltd., of South Africa. | A method for the production of desulphurised ferrochromium. |
| 174566 | 07-12-88 | Mutual Petrochemicals Industries Ltd., Tokyo Japan. | Process for the extraction of a purified aqueous terephthalic acid slurry. |

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| 171796 | 13-01-88 | The M. W. Kellogg Company, U. S. A. | Method for separating a hydrocarbon gas mixture and recovering a liquid stream of condensed hydrocarbon components therefrom. |
| 164806 | 23-08-85 | Do. | Process for producing ammonia in a synthesis. |
| 171812 | 17-07-87 | Do. | Process for recovering mercury from natural gas. |
| 175739 | 08-11-88 | Norsk Hydro A. S. of hygduy Alle 2,0257, OSLO 2, Norway. | A process for the production of diammonium phosphate containing fertilizers in granulated form. |
| 174646 | 09-08-88 | Novophalt Overseas S. A. of 11, Boulovari Prince Henri, P. O. Box 418-Luxembourg. | Process for the production of bituminous binder modified with thermoplastic syntgetic material. |
| 173869 | 06-03-98 | Richardson Vicks Inc., A Corporation U. S. A. | Process for preparing oral a anaesthetic composition. |
| 169518 | 10-09-87 | Sanford Redmond, of 746 River Bank Rd., U.S.A. | Dispensing package for flowable products. |
| 174812 | 06-12-89 | Samsung, Electron, Karoan. | A process for producing a phospher layer as a panel of colour picture tube. |
| 166314 | 11-08-86 | Shell International Research Mastachappij B. V. Netherland. | Process for preparing copolymers of carbon monoxide ethene & another elefinically unsaturated hydrocarbons. |
| 167615 | 26-02-87 | Do. | A process for the preparation of a carbonylated elefinically unsaturated compound. |
| 167994 | 25-06-86 | Do. | Process for the anionic polymerization of manomers. |
| 168064 | 30-07-86 | Do. | Melt-apinnable for meltblowable copolymer composition and fibres whenever melt-spun or melt-blown therefrom. |
| 169509 | 20-10-87 | Do. | Improved catalyst composition for use in the production of ethylene oxide. |
| 170003 | 03-06-86 | Do. | Process for the preparation an of a silver catalyst. |
| 170069 | 27-04-87 | Do. | Process for the preparation of a silver-containing catalyst suit ble for the oxidation of ethylene to ethyleneoxide. |
| 170453 | 16-02-87 | Do. | Process for regeneration spent resin. |
| 178625 | 22-05-87 | Do. | Process for the preparation of polymers. |
| 178745 | 04-03-87 | Do. | Process for the preparation of carbonyl compounds. |
| 172272 | 27-07-87 | Do. | A process for the preparation of silver containing catalyst. |
| 4729 | 04-04-89 | Do. | A process for the manufacture by flame spraying of a solid object coated with a polymeric material. |
| 176124 | 05-05-87 | Do. | A process for preparing a silver catalyst for use in the oxidation of ethylene to ethylene oxide. |
| 176468 | 20-10-87 | Do. | Process for the production of ethylene oxide from ethylene & oxygen. |
| 176536 | 05-05-87 | Do. | A process for preparing ethylene oxide. |

| 1 | 2 | 3 | 4 |
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| 163184 | 21-03-85 | Shell International Research Masatechappij B.V. Netherland | Process for the preparation of polymers of conjugated dienes & optionally monoalkenyl aromatic hydrocarbons. |
| 162099 | 26-06-85 | Societe Nationale Des Poudres Et, Explosifs of France. | A process for producing a polymer with ethylenic unsaturations incorporating silymatalcene. |
| 166668 | 02-09-86 | Do | A propellant composition. |
| 174704 | 25-06-86 | Societe Chimique Des charvennages, S. A. | Process of producing concentrated selections of ammonium nitrate. |
| 174481 | 10-02-89 | Societe Europeenne Des produits Refractaires, of France. | Process for making a ceramic article. |
| 167024 | 27-05-86 | Societe Nationale Des poudres Et, Explosifs, France. | Pyrotechnic igniter for shells. |
| 168540 | 12-03-84 | Societe Nationale Industrielle Aerospatiale, of France. | Blade for a multi blade propeller in particular the propeller of a tail rotor of a rotorgraft and process for manufacturing said blade. |
| 176476 | 28-11-89 | Societe Nationale Des poudres Et, Explosifs of France. | A hydroxytelechelic polybutadiene based adhesive crosslinkable thermoplastic composition. |
| 172750 | 18-12-87 | The Standard oil company of USA. | A photovoltaic device. |
| 165755 | 25-09-85 | Toys Engineering Corp., Japan | Process for producing urea |
| 167486 | 12-09-86 | Do | Process for treating urea granules with a urea melt as liquid coating material in a fluidizing bed to obtain coated urea granules. |
| 171250 | 16-10-87 | Do | A process for the synthesis of urea. |
| 166439 | 27-11-87 | Council of Scientific & Industrial Research, New Delhi. | A process for the manufacture of red mudified PVC composite material. |

RENEWAL FEES PAID

173192 171744 166061 172425 169700 173273 176563 173193
 173284 175769 170033 181059 171235 178426 179813 181445
 181863 181893 181914 181927 181991 182054 171094 181994
 177220 177786 179101 178432 176628 181325 181486 181581
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 173785 174681 175038 175594 176053 176212 176235 176236
 177022 177037 177095 177225 177384 177534 179747 180003
 181567 181741 181765 179814 176495 176208 174880 176221
 171918 176496 176576 175992 178277 171529 174369 177954
 179369 180714 181637 181663 178704 172855 172715 177203
 169538 181658 181896 169713 169772 176614 177366 179234
 181667 181749 177958 179193 177559 175283 173634 181767
 181882 176055 178279 181770 181353 178306 179945 173054
 181597 179562 176998 167867 174992 175000 177322 177606
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 177905 165499 164358 163251 168290 180956 180480 165624
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 177822 178565 178562 176372 180940 178566 180041 181395

171184 165358 173514 173915 173732 169282 181399 181457
 181392 165257 167417 167418 164873 168876 168044 168607
 169244 180474 169918 166047 166045 167776 170489 170612
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181714 182147 182150 182162 182164 182166 182168 182170
 182201 182202 182204 182206 182208 182210 182211 182212
 182213 182214 182216 182220 182224 182225.

CAL - 21, DEL - NIL, CHEN - 02, MUM - NIL

*Patent shall be deemed to be endorsed with words LICENCE
OF RIGHT Under Section 87 of the Patents Act, 1970
from the date of expiration of three years from the date of
sealing.

D Drug Patents

F Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entries is the date of registration included in the entries.

Class 1. No. 175094, Tata BP Solar India Limited, a company incorporated under Company Act, 1956 of 78 Electronic City, Hosur Road, Bangalore-561229, Karnataka, India, "WATER HEATER", 26th November 1997.

Class 1. No. 175095, Tata BP Solar India Limited, a company incorporated under Company Act, 1956 of 78 Electronic City, Hosur Road, Bangalore-561229, Karnataka, India, "SOLAR COLLECTOR", 26th November 1997.

Class 1. Nos. 175006 & 175007, Paul's Engineering Works Pvt. Ltd., an Indian company of #7, Natabar Paul Roat, Howrah-711105, West Bengal, India, "CHUCK FOR LATHE", 12th November 1997.

Class 3. No. 175081, Forsheda AB, of 330 12 Forsheda, Sweden, a Swedish company, "SEALING RING", 25th November 1997.

Class 3. No. 175093, Dunlop India Limited, Dunlop House, 57B Mirza Ghalib Street, Calcutta-700016, W. Bengal, India, an Indian Company, "TYRE", 26th November 1997.

Class 3. No. 175096, Mr. Ata-Ur-Rehman, of Ground floor, 2467, Gali Kuan Wali, Mahabat Khan, Chitti Qabar, Jama Masjid, Delhi-110006, India, an Indian national, "ELECTRIC IRON", 27th November 1997.

Class 3. No. 175097, Bhudev Sharma, an Indian national, of M/s. Standard Gold Switchgears and Engineers, 2140, Jamuna Bazar, P.O. Box 1801, Dehli-6, India, "ROTARY SWITCH", 27th November 1997.

Class 3. No. 175001, M/s. Plasticut, 94, Vithalwadi, Kalbadevi Road, Mumbai-400002 Maharashtra, India, a partnership firm, "PLASTIC HAIR BRUSH", 11th November 1997.

Class 3. No. 175002, Dabur India Limited of 22 Site, IV, Sahibabad, U.P., 201010, India, an Indian company, "TOOTH BRUSH", 11th November 1997.

Class 3. No. 175004, Shachihata Inc., of 69, Amatsuka-cho, Nishi-ku, Nagoya-shi, Aichi-ken, Japan, a Japanese company, "INK PAD", 11th November 1997.

Class 3. No. 175005, S. C. Johnson & Son, Inc., a corporation organized and existing under the laws of the State of Wisconsin of 1525 Howe Street, Racine, Wisconsin 53403-2236, U.S.A., "CONTAINER FOR BURNABLE INSECT COILS", 11th November 1997.

Class 3. No. 175008, Compagnie Gervais Danone, a joint stock company, organised under the laws of France of 126-130, Rue Jules Gusede, 92300, Levallois-Perret, France, "BOTTLE", 12th November 1997.

Class 3. No. 175009, Mundhra Traders, Indian sole proprietary concern of 38/42, Shamseih Street, 3rd floor, Bombay-400002, a proprietary firm, "COMB", 13th November 1997.

Class 3. No. 175010, Mad Lighting Limited, of Unit No. 23, Long Furrow Industrial Estate, East Goscole, Leicester LE7 3XJ, England, a British company, "LIGHTING UNIT", 13th November 1997.

Class 3. No. 175011, S. C. Johnson & Son, Inc., a corporation organized and existing under the laws of the State of Wisconsin of 1525 Howe Street, Racine, Wisconsin 53403-2236, U.S.A., "ACTUATOR FOR AN AEROSOL CAN", 13th November 1997.

Class 3. No. 175018, M/s. Asha Handicrafts, 102, Marol Co. Op. Industrial Estate, Muthuradas Vasani Road, Marol, Andheri (East), Mumbai-400059, State of Maharashtra, India, an Indian partnership firm, "JUG", 18th November 1997.

Class 10. No. 175078, Nu-Fashion Footwear Pvt. Ltd., K-73, Udyog Nagar, Delhi-110041, India, an Indian Pvt. Ltd. Company, "FOOTWEAR", 25th November 1997.

Class 10. Nos. 175079 & 175080, Nu-Fashion Footwear Pvt. Ltd., K-73, Udyog Nagar, Dehli-110041, India, an Indian Pvt. Ltd. Company, "SOLE FOR FOOTWEAR", 25th November 1997.

Class 10. No. 175015, M/s. Soni Enterprises, 12/9, Nakasha, Near Raghunath tankies, Agra, U.P., India, a proprietorship concern, "THE SOLE OF FOOTWEAR", 18th November 1997.

Class 12. No. 175082, Jaya Proteins (I) Ltd., P-220 Block 'J' New Alipore, Calcutta-700053, West Bengal, India, "BISCUIT", 25th November 1997.

A. E. AHMED

Controller General of Patents, Designs & Trademarks